

From WB9WOZ@aol.com Sat Jun 01 00:15:33 1996
Received: from emout10.mail.aol.com (emout10.mx.aol.com [198.81.11.25]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA18191; Sat, 1 Jun 1996 00:15:28 -0500 (CDT)
From: WB9WOZ@aol.com
Received: by emout10.mail.aol.com (8.6.12/8.6.12) id BAA14723; Sat, 1 Jun 1996 01:14:54 -0400
Date: Sat, 1 Jun 1996 01:14:54 -0400
Message-ID: <960601011454_125258659@emout10.mail.aol.com>
To: aprssig@tapr.org, winaprs@tapr.org
Subject: Field Day

With Field Day approaching, we were wondering as to who else may be running APRS for the Field Day weekend ? If so, what freqs will be utilized.

The DuPage Amateur Radio Club will be running APRS on VHF and perhaps HF (if we can wrestle a rig from the HF guys)

Info can be directed to wb9woz@aol.com

Thanks & 73's
Bruce Tobias
WB9WOZ

From cestey@millcomm.com Sat Jun 01 07:03:19 1996
Received: from mill2.millcomm.com (root@Mill2.MillComm.COM [199.170.133.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA00972 for <aprssig@tapr.org>; Sat, 1 Jun 1996 07:03:16 -0500 (CDT)
Received: from Dial-07.Mpls.MillComm.COM by mill2.millcomm.com with smtp (Smail3.1.29.1 #2) id m0uPpPD-000MiqC; Sat, 1 Jun 96 07:03 CDT
Message-Id: <m0uPpPD-000MiqC@mill2.millcomm.com>
Date: Sat, 1 Jun 96 07:03 CDT
X-Sender: cestey@millcomm.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Carl Estey <cestey@millcomm.com>
Subject: Re: [APRSSIG:1466] Re: URGENT ARRL NEDIV BULLETIN

At 05:45 PM 5/31/96 -0500, Bob N3OZB wrote:

>At least one of the satellite companies getting into the LEO comm
>business is aware of the 2 meter activity around the world. Orbital
>Sciences Corp cleverly put a vhf scanner into a satellite being flown
>for other purposes, and made a vhf activity map of the world which
>they are keeping proprietary.

A ham-friend at OSC indicates that they have launched TWO VHF scanning sats and have two years of worldwide VHF utilization and power density data. I am uncertain as to who really owns and operates these satellites. OSC is now part of Fairchild Aerospace.

73, Carl WA0CQG

From z004391b@bcfreenet.seflin.lib.fl.us Sat Jun 01 07:34:28 1996
Received: from pbfreenet.seflin.lib.fl.us (root@pbfreenet.seflin.lib.fl.us
[199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA01823 for
<aprssig@tapr.org>; Sat, 1 Jun 1996 07:34:26 -0500 (CDT)
Received: from bcfreenet.seflin.lib.fl.us (z004391b@bcfreenet.seflin.lib.fl.us
[199.227.192.20]) by pbfreenet.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id
IAA04424 for <aprssig@tapr.org>; Sat, 1 Jun 1996 08:33:25 -0400
Received: (from z004391b@localhost) by bcfreenet.seflin.lib.fl.us (8.6.12/8.6.12)
id IAA01228; Sat, 1 Jun 1996 08:33:29 -0400
Date: Sat, 1 Jun 1996 08:33:28 -0400 (EDT)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:1387] Looking for a Maxon Transmitter
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <199605282341.SAA18663@tapr.org>
Message-ID: <Pine.3.89.9606010852.B25416-01000000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I hope this 'transmit only' rig isn't going to be used in ham radio.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Tue, 28 May 1996 mark.endicott@nashville.com wrote:

> I had a call today from a gentleman that needs one of the Maxon
> Transmitters that I was selling on this SIG. Since I have no more and
> can't get anymore, I thought that some of you that bought them may have
> changed your mind about them. I told him I would ask if there is just one
> spare out there that you could sell to him? Please email me direct if
> anyone can spare one. Thanks...Mark WB0N00

>

>

> If Found, Please Return To:

>

> |-----\ >
> | Mark Endicott \ >
> | P.O. Box 148242 \ >
> | Nashville, Tennessee 37214 >
> | WB0N00 / >
> | mark.endicott@nashville.com / >
> |-----/ >
>

From jerryr49@magg.net Sat Jun 01 11:17:56 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id LAA09101 for <aprssig@tapr.org>; Sat, 1 Jun 1996
11:17:53 -0500 (CDT)

Received: from LOCALNAME (wpb-148.magg.net [205.218.112.148]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id MAA14171 for <aprssig@tapr.org>; Sat, 1 Jun 1996 12:11:35 -0400
Date: Sat, 1 Jun 1996 12:11:35 -0400
Message-Id: <199606011611.MAA14171@grumpy.magg.net>
X-Sender: jerryr49@mail.magg.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: JerryRector <jerryr49@magg.net>
Subject: Re: [APRSSIG:1472] Re: Looking for a Maxon Transmitter

At 07:44 AM 6/1/96 -0500, you wrote:

>I hope this 'transmit only' rig isn't going to be used in ham radio.

>

>John W. Wilson, KN4HX

>z004391b@bcfreenet.seflin.lib.fl.us

>

>

>On Tue, 28 May 1996 mark.endicott@nashville.com wrote:

>

>> I had a call today from a gentleman that needs one of the Maxon
>> Transmitters that I was selling on this SIG. Since I have no more and
>> can't get anymore, I thought that some of you that bought them may have
>> changed your mind about them. I told him I would ask if there is just one
>> spare out there that you could sell to him ? Please email me direct if
>> anyone can spare one. Thanks...Mark WB0N00
>>

Pray tell, why would you hope that.....should it be used somewhere else????

Jerry Rector, KB4OAM

Chief Engineer,

Hellinger Broadcast Group

jerryr49@magg.net

From wnolle@ix.netcom.com Sat Jun 01 11:42:50 1996

Received: from dfw-ix5.ix.netcom.com (dfw-ix5.ix.netcom.com [206.214.98.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA10093 for <aprssig@tapr.org>; Sat, 1 Jun 1996 11:42:48 -0500 (CDT)

Received: from LOCALNAME (hun-a11-25.ix.netcom.com [205.184.6.57]) by dfw-ix5.ix.netcom.com (8.6.13/8.6.12) with SMTP id JAA06119 for <aprssig@tapr.org>; Sat, 1 Jun 1996 09:42:02 -0700

Message-ID: <31B08EE5.5090@ix.netcom.com>

Date: Sat, 01 Jun 1996 11:41:41 -0700

From: William Nolle <wnolle@ix.netcom.com>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1472] Re: Looking for a Maxon Transmitter

References: <Pine.3.89.9606010852.B25416-0100000@bcfreenet.seflin.lib.fl.us>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Why is that John...?

Bill KE4EER

>John W Wilson wrote:

>

> I hope this 'transmit only' rig isn't going to be used in ham radio.

>

> John W. Wilson, KN4HX

From quarry@q.continuum.net Sat Jun 01 12:03:27 1996

Received: from q.continuum.net (q.continuum.net [199.0.52.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA10790 for <aprssig@tapr.org>; Sat, 1 Jun 1996 12:03:24 -0500 (CDT)

Received: from [199.0.52.92] (cd-43.continuum.net [199.0.52.92]) by q.continuum.net (8.6.12/8.6.12) with SMTP id NAA11960 for <aprssig@tapr.org>; Sat, 1 Jun 1996 13:08:37 -0400

Message-Id: <v02140b03add62598c78c@[199.0.52.89]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 1 Jun 1996 13:03:20 -0400

To: aprssig@tapr.org

From: quarry@q.continuum.net (Chip)

Subject: Boston Maps

If anyone has any highly detailed maps of Boston (especially if they have street level detail) please let me know (or email them to me directly in ZIP or SIT format).

Thanks,

Chip Griffin - President of Thames River Apple Users Group (TRAUG)

BBS System Operator of The Quarry (860-889-6427)

- eMail to: quarry@q.continuum.net

my home page: <http://q.continuum.net/~quarry/>

TRAUG home page: <http://q.continuum.net/~quarry/TRAUG.html>

From n2czf@gate.net Sat Jun 01 14:58:36 1996

Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id OAA16943 for <aprssig@tapr.org>; Sat, 1 Jun 1996 14:58:33 -0500 (CDT)

From: n2czf@gate.net

Received: from 199.227.125.149 (wpbfl2-22.gate.net [199.227.125.149]) by osceola.gate.net (8.7.5/8.7.3) with SMTP id PAA58042 for <aprssig@tapr.org>; Sat, 1 Jun 1996 15:58:24 -0400

Date: Sat, 1 Jun 1996 15:58:24 -0400

Message-Id: <199606011958.PAA58042@osceola.gate.net>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1473] Re: Looking for a Maxon Transmitter
To: aprssig@tapr.org
In-Reply-To: <199606011611.MAA14171@grumpy.magg.net>
X-Mailer: SPRY Mail Version: 04.00.06.17

On Sat, 1 Jun 1996, JerryRector <jerryr49@magg.net> wrote:

>At 07:44 AM 6/1/96 -0500, you wrote:

>>I hope this 'transmit only' rig isn't going to be used in ham radio.

>>

>>John W. Wilson, KN4HX

>>z004391b@bcfreenet.seflin.lib.fl.us

Far as I know on the commercial bands you got to listen also. This is the case for IB and PS class stations.

>Pray tell, why would you hope that.....should it be used somewhere else????

>Jerry Rector, KB4OAM

>Chief Engineer,

>Hellinger Broadcast Group

>jerryr49@magg.net

>

I think John (and I) is concerned with the ability to listen to the channel before transmitting. Not only is this good operating practice but it is also necessary if you follow the FCC rules.

If you take that in mind and also the situation in Broward and Dade Co. where you have more than several WIDE's in one area and quite a few APRS users this can become a mess. Granted, if you overlook the FCC rules and also operate from a less populated APRS area, as where Jerry and I live it could be tolerated but why start the ball rolling.

Remember, at one time a group wanted to get several of these transmitters for WX station reporting from some considerable height. Great idea to put commercial equipment to use but picture 4-5 of these in one area at about 100-170 ft. transmitting WX reports often without waiting for other packets to clear. Granted APRS will continue to TX messages till they are RX'ed but this just increases the turn around time, and mobile trackers that are only transmitting every 10 or so minutes could be hurt if their packets are collided with. This was put to rest a few months ago thank God, let's not encourage it again.

73's De Rich N2CZF

n2czf@gate.net

Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.

Steven Wright

From borland@idirect.com Sat Jun 01 18:07:34 1996

Received: from lucid.idirect.com (idirect.com [206.116.140.30]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA23125 for <aprssig@tapr.org>; Sat, 1 Jun 1996 18:07:31 -0500 (CDT)
Received: from (borland@havoc.idirect.com [206.116.140.26]) by lucid.idirect.com (8.6.9/8.6.12) with SMTP id SAA13084 for <aprssig@tapr.org>; Sat, 1 Jun 1996 18:59:33 -0400
Date: Sat, 1 Jun 1996 18:59:33 -0400
Message-Id: <199606012259.SAA13084@lucid.idirect.com>
X-Sender: borland@idirect.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: borland@idirect.com (Dave Borland)
Subject: Re: [APRSSIG:1469] Waste of time ?
X-Mailer: <Windows Eudora Version 1.4.2b16>

B.G. Gotshall writes

>This looks like a personnel battle.
>Some how I can't find anything that is of interest to the sig in this
>exchange except to air ones'
>dirty laundry!
>
Bud (WB4LTF)
>
>

Yes is a bit of a waste of bandwidth, but I think it's a good idea to see just how some mail order people treat the customers. I wonder if he realizes just how much business he has probably lost by acting this way.

What ever happend to the customer is allways right !

Dave Borland
VE3HTB.

David J. Borland
borland@idirect.com

From saltair@hargray.com Sat Jun 01 22:41:19 1996
Received: from fern.hargray.com (fern.hargray.com [205.218.96.10]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id WAA02098 for <aprssig@tapr.org>; Sat, 1 Jun 1996 22:41:17 -0500 (CDT)
Received: from saltair.hargray.com ([205.218.96.79]) by fern.hargray.com (8.7.5/8.7) with SMTP id XAA28919 for <aprssig@tapr.org>; Sat, 1 Jun 1996 23:41:09 -0400 (EDT)
Message-ID: <31B10D08.151@hargray.com>
Date: Sat, 01 Jun 1996 23:39:52 -0400
From: George Salinas <saltair@hargray.com>
X-Mailer: Mozilla 2.01Gold (Win95; I)
MIME-Version: 1.0

To: aprssig@tapr.org
Subject: Re: [APRSSIG:1424] Order Status
References: <199605301858.LAA09614@m1.sprynet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ku0g@sprynet.com wrote:

>

> The following persons order and payment for the Blackjack antenna were received
> and processed today! I will be shipping these antennas Friday, May 31st.

>

> Larry Bush, W5NCD
> Bruce Rahn, WB9ANQ
> Hasan Schiers, N0AN
> Tony Drumm, AA0SM
> Larry Miller, N9LBG (plus Single Port Switch)
> Best 73,
> Jim Duncan, KU0G
> APRS--Kansas City Coordinator
> EMail:

ku0g@sprynet.com=====separator=====

=====What if kantronics started order taking and billing on this
sig?

What if paccom started order taking and billing on this sig?

What if APRS author Bruninga started order taking and billing on this sig?

What if the Sproule brothers started order taking and billing on this sig?

What if Garmin started order taking and billing on this sig?

What if ICOM started order taking and billing on this sig?

What if YAESU started order taking and billing on this sig?

What if STANDARD started order taking and billing on this sig?

What if they all thought that since their product is capable of being used with
APRS that they could flood the APRS sig with advertising?

Please, please keep that stuff out of here. If you feel the need to advertise or
confirm orders do it direct to private email or snail mail. Thank you.

73, George KD4FJ

From bruninga@nadm.navy.mil Sat Jun 01 23:08:23 1996

Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA03129 for <aprssig@tapr.org>; Sat, 1
Jun 1996 23:08:21 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
AAA09129; Sun, 2 Jun 1996 00:09:12 -0400

Date: Sun, 2 Jun 1996 00:09:12 -0400 (EDT)

From: Bob Bruninga <bruninga@nadm.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1464] To all Mapmakers

In-Reply-To: <2.2.32.19960531213911.0069b550@mail.cts.com>

Message-ID: <Pine.SUN.3.91.960602000717.8826C-100000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 31 May 1996, Barbara Fehner wrote:

> I would suggest that all new maps be made to the WGS84 datum and all old
> maps of 32 mile or less range be converted.
>
> The program MADTRANS (DOS program) can be used to convert the NAD27
> coordinates to WGS84. If someone wants this program I can upload it to the
> TAPR site.

APRSDOS REPLY COMMENT: Send it to me. Maybe I should build it into MAPFIX
to automatically make the conversion... Is the program in BASIC, so I
can understand it?

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sat Jun 01 23:19:53 1996

Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA03580 for <aprssig@tapr.org>; Sat, 1
Jun 1996 23:19:50 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
AAA09209; Sun, 2 Jun 1996 00:20:43 -0400

Date: Sun, 2 Jun 1996 00:20:42 -0400 (EDT)

From: Bob Bruninga <bruninga@nadm.navy.mil>

To: aprssig@tapr.org

Subject: FIELD DAY! APRS style

Message-ID: <Pine.SUN.3.91.960602001416.8826F-1000000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Take your computer out to field day and count every station on the map as
a DIGITAL contact worth 2 points! Also, APRS Looks REAL impressive at
NIGHT. Dont bother until dusk, hi hi (or find a real shady place)/...

Operations on the standard freq for your area. and 10.151LSB

I was at ROchester Hamfest and again the question came up about 20 meters???

Again I suggested either 14.100 as an unused freq (but you will get
interference from both 14.99 and 14.101,

Or see if any of the keyboarders on 14.105 are using APRS? I have not
tried these in years, ANYone care to comment? Its time to start playing
on 20 meters.... I picked up a 100 Watt 4 channel XTAL controlled HF SSB
rig for \$80. They guy had several..... Look for Marine band stuff

de wb4apr@amsat.org

From rsellers@misha.net Sat Jun 01 23:42:00 1996

Received: from misha.net (delta.wwa.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id XAA04525 for <aprssig@tapr.org>; Sat, 1 Jun 1996
23:41:57 -0500 (CDT)

Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)

id XAA10677; Sat, 1 Jun 1996 23:41:43 -0500

Date: Sat, 1 Jun 1996 23:41:43 -0500
Message-Id: <199606020441.XAA10677@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Need Maps for Detroit and Boston

I'm traveling to Dearborn Michigan and Boston over the next several weeks. Does anyone have maps to cover these area? Of particular need is to cover from Detroit metro airport to Dearborn and Downtown Boston including Copley Square and Airport area.

If you have a map that would fill the need, could you e-mail it to me at either e-mail address below.

Thanks in Advance... 73,

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From bruninga@nadm.navy.mil Sat Jun 01 23:44:00 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA05473 for <aprssig@tapr.org>; Sat, 1 Jun 1996 23:43:57 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id AAA09323; Sun, 2 Jun 1996 00:44:49 -0400
Date: Sun, 2 Jun 1996 00:44:49 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Mic Encoder for fixed stns?
Message-ID: <Pine.SUN.3.91.960602004021.8826K-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was surprised at the ROchester Hamfest when someone suggested that the APRS Mic ENcoder should have a programmable default position. The whole idea is mobile position reporting, right?...

Well, his response was that EVERYONE has a MIC, only 1% or less of HAMS have GPS units. If the APRS MIC-Encoder becomes a common entity on voice repeaters, then the fixed stations may as well pop up on the map too, so you can see who is talking from where...

Seemed like a good idea to me...

de wb4apr@amsat.org

From kc5ejk@onramp.net Sun Jun 02 01:00:32 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org

(8.7.5/8.7.3/1.9) with ESMTP id BAA13624 for <aprssig@tapr.org>; Sun, 2 Jun 1996 01:00:30 -0500 (CDT)
Received: from [199.1.11.146] (dal46.onramp.net [199.1.11.146]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id BAA00758 for <aprssig@tapr.org>; Sun, 2 Jun 1996 01:00:22 -0500 (CDT)
Message-Id: <v02130500add6d7337a42@[199.1.11.107]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 2 Jun 1996 01:02:04 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: MacGPS Pro 2.0 release

I just got the new version of MAC-GPS PRO and it is real slick.

(The older shareware version is in the TAPR APRSsig area.)
DOS/WIN users may want to check out the Precision Mapping GPS Edition
FREE Beta 1.0.1 - 5/26/96 (2140K ZIP) -- URL:www.justsoftworks.com
for a program that can do almost the same.

This is one of those map making programs that can, plot my position on a map using a connection to a GPS.

If you are using a Garmin GPS and a MAC computer this \$30 program will let you take any screen saved map, say a PICT file from Street Atlas USA and use it to plot your position. It does a good job of auto tracking. It also lets you up and download all the information from your proprietary Garmin GPS data base. The tracks, waypoints and routs are then plotted on your chosen MAP.

I hope Keith will make the next version of MAC/WIN aprs use the same type of calibration method when you import PICT / Bit-map images and smoother zoom. Several of the items in MACGPS are now in Mac APRS and lots of neat items are on the way, but if you can't wait

Two Items in MACGPS Pro I like for car use are the LARGE display of your current position/speed and the speech option to say this information.

Here is the short version from the upgrade notice.

The long awaited release of MacGPS Pro 2.0 is finally here.

The calibration method for background maps has been completely changed. You no longer enter the map edges. Instead you click on known points which are used to calibrate the map.

There is an additional new way to pan and zoom-in on the map. Simply click and drag the selection rectangle to select the area you want blown up to fill the full window. Zoom-in is no longer limited to a fraction of the overall map size. You can zoom in to 1 meter per pixel no matter how big your map is.

Additional Map menu options allow you to use a large current-position marker, to display the bearing of each leg of the routes shown, and to set the map scale to

a precise value.

A new function showing overhead Satellite Visibility for any time and location has been added.

The Real-Time window has been re-organized for easier reading in more logical groupings. Estimated horizontal and altitude errors have been added to the Real-Time display. There is a new command on the Real-Time menu, "Large Display of Current Readings". This gives the same information as the original Real-Time window, but with a larger font for greater visibility at a distance or with a quick glance.

Larry James <http://www.csn.net/~lwjames>
James Associates lwjames@csn.net
 303-530-9014 (voice or fax)
 Garmin GPS 45 with Portable Helix Antenna \$ 249.95

One final item: Dr. James sent out the software over the internet direct to my E-mail box. Last week I got two more updates that fixed a few problems. A great idea as I hate having to look all over the FTP sites trying to find an update.

"Just a happy user"

73

Bob - Dallas, TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From weather@xnet.com Sun Jun 02 01:05:16 1996
Received: from flood.xnet.com (flood.xnet.com [198.147.221.35]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id BAA13922 for <aprssig@tapr.org>; Sun, 2 Jun 1996 01:05:13 -0500 (CDT)
Received: from weather.xnet.com by flood.xnet.com (8.7/XNet-1.4R) with SMTP id BAA06911 for <aprssig@tapr.org>; Sun, 2 Jun 1996 01:02:23 -0500 (CDT)
Date: Sun, 2 Jun 1996 01:02:23 -0500 (CDT)
Message-Id: <199606020602.BAA06911@flood.xnet.com>
X-Sender: weather@quake.xnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ron Malinowski <weather@xnet.com>
Subject: Thanks for your opinion

Hi Dave,

I appreciate your concern about my order with Agrello Engineering, I really think that is a crazy policy to have to play in full to be put on a waiting list for a product, I can see a special order, but he is wanting payment today and he will ship when its in 4 to 6 weeks, But its okay to do a COD, just really crazy, several people agree you shouldn't have to pay for

something until its available.
Ron

From rwilkins@ccnet.com Sun Jun 02 01:37:28 1996
Received: from ccnet.ccnet.com (root@ccnet.ccnet.com [192.215.96.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id BAA14834 for <aprssig@tapr.org>; Sun, 2 Jun 1996 01:37:27 -0500 (CDT)
Received: from ccnet3 (rwilkins@ccnet3.ccnet.com [192.215.96.11]) by ccnet.ccnet.com (8.6.12/8.6.12) with SMTP id XAA25715 for <aprssig@tapr.org>; Sat, 1 Jun 1996 23:32:28 -0700
Date: Sat, 1 Jun 1996 23:34:27 -0700 (PDT)
From: Bob Wilkins n6fri <rwilkins@ccnet.com>
X-Sender: rwilkins@ccnet3
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1480] FIELD DAY! APRS style
In-Reply-To: <Pine.SUN.3.91.960602001416.8826F-100000@arctic>
Message-ID: <Pine.SUN.3.91.960601232708.22521A-100000@ccnet3>
X-URL: <http://www.ccnet.com/~rwilkins/>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 1 Jun 1996, Bob Bruninga wrote:

> Take your computer out to field day and count every station on the map as
> a DIGITAL contact worth 2 points! Also, APRS Looks REAL impressive at
> NIGHT. DOnt bother until dusk, hi hi (or find a real shady place)/...

Looks like a shady practice ... hearing a station and having it show on the map is not the same as contacting and logging the station.

Bob n6fri

Bob Wilkins	home	n6fri@uhf.org
Berkeley Hills, California	work	bob@cave.org
CM87uv	play	n6fri@n0ary.#nocal.ca.usa.noam

From quarry@q.continuum.net Sun Jun 02 05:42:25 1996
Received: from q.continuum.net (q.continuum.net [199.0.52.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA21232 for <aprssig@tapr.org>; Sun, 2 Jun 1996 05:42:22 -0500 (CDT)
Received: from [199.0.52.92] (cd-43.continuum.net [199.0.52.92]) by q.continuum.net (8.6.12/8.6.12) with SMTP id GAA29502 for <aprssig@tapr.org>; Sun, 2 Jun 1996 06:47:42 -0400
Message-Id: <v02140b00add71f62e712@[199.0.52.92]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 2 Jun 1996 06:42:19 -0400
To: aprssig@tapr.org
From: quarry@q.continuum.net (Chip)

Subject: Auto Tracking

Using MacAPRS, can the auto track work between maps? I was wondering if I was travelling along and went off the edge of a map if it would open the map with the closest zoom for the area.

Also, downloaded a bunch of DOS maps. When I place them in the maps folder they show up outlined. There are a lot of them and that can be a little irritating. I did notice I could put them in a sub-folder (nice touch). There is still a problem, no matter where I put them, with incorrect map boundary and map linking. If I open the map at least once the boundaries are displayed correctly, otherwise they are totally non-sensical. How can I fix this?

Tnx,

Chip Griffin - President of Thames River Apple Users Group (TRAUG)
BBS System Operator of The Quarry (860-889-6427)
- eMail to: quarry@q.continuum.net
my home page: <http://q.continuum.net/~quarry/>
TRAUG home page: <http://q.continuum.net/~quarry/TRAUG.html>

From z004391b@bcfreenet.seflin.lib.fl.us Sun Jun 02 06:49:16 1996
Received: from pbefreenet.seflin.lib.fl.us (root@pbefreenet.seflin.lib.fl.us [199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA23222 for <aprssig@tapr.org>; Sun, 2 Jun 1996 06:49:14 -0500 (CDT)
Received: from bcfreenet.seflin.lib.fl.us (z004391b@bcfreenet.seflin.lib.fl.us [199.227.192.20]) by pbefreenet.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id HAA22523 for <aprssig@tapr.org>; Sun, 2 Jun 1996 07:48:14 -0400
Received: (from z004391b@localhost) by bcfreenet.seflin.lib.fl.us (8.6.12/8.6.12) id HAA07610; Sun, 2 Jun 1996 07:48:18 -0400
Date: Sun, 2 Jun 1996 07:48:17 -0400 (EDT)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:1427] Re: Copy of: KPC-3 HELP
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <199605301915.MAA13318@m1.sprynet.com>
Message-ID: <Pine.3.89.9606020729.B5193-01000000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The first thing I do when I get an update of the APRS program is to remark out the parity line. It seems to be a foolish thing to have as a command in the first place. If the TNC is already communicating with the computer then the parity is correct to begin with. If the TNC is not communicating with the computer then no 'parity' command will get through at all.

Fix the 'parity' and baud rates etc BEFORE you run APRS using a standard communications program, and be sure to delete or remark out the 'parity' line.

John W. Wilson
z004391b@bcfreenet.seflin.lib.fl.us

On Thu, 30 May 1996 ku0g@sprynet.com wrote:

> You have to do TWO things:
>
> In the INITTAPR.TNC file (found in the SYSTEM subdirectory of APRS), you need to
> change PARITY to NONE. (This may be 0 or 4, I can't remember for sure...)
>
> Next, whenever you use Pacterm, be SURE that your TNC is back in TERMINAL mode
> as opposed to HOST mode when exiting Pacterm and before starting APRS!!!
>
> Good Luck!
> Best 73,
> Jim Duncan, KU0G
> APRS--Kansas City Coordinator
> EMail: ku0g@sprynet.com
>

From wnolle@ix.netcom.com Sun Jun 02 07:48:36 1996
Received: from dfw-ix1.ix.netcom.com (dfw-ix1.ix.netcom.com [206.214.98.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA24759 for <aprssig@tapr.org>; Sun, 2
Jun 1996 07:48:33 -0500 (CDT)
Received: from LOCALNAME (hun-a11-23.ix.netcom.com [205.184.6.55]) by dfw-
ix1.ix.netcom.com (8.6.13/8.6.12) with SMTP id FAA26477 for <aprssig@tapr.org>;
Sun, 2 Jun 1996 05:48:16 -0700
Message-ID: <31B1A99C.241E@ix.netcom.com>
Date: Sun, 02 Jun 1996 07:47:56 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Digi's
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I see the following digi's in the Florida panhandle.

W2GFF-7, BALDWIN A.R.C DIGI
K04TT-7, WEST FLORIDA MED CENTER DIGI
KS4NY-7, WEST FLORIDA SKYWARN DIGI
KS4NY WX DIGI

My question to any of people in that area is i never see any users at all
other then the above digi's. What good are digi's with nobody using them.
Was just wondering??.

Thanks Bill KE4EER
<http://www.netcom.com/~wnolle>

From gerry@cs.tamu.edu Sun Jun 02 08:43:01 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA26240 for <aprssig@tapr.org>; Sun, 2 Jun 1996 08:42:59 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id IAA21725 for <aprssig@tapr.org>; Sun, 2 Jun 1996 08:42:08 -0500

From: Gerald J Creager <gergy@cs.tamu.edu>

Received: (gergy@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id IAA28010 for aprssig@tapr.org; Sun, 2 Jun 1996 08:41:37 -0500

Message-Id: <199606021341.IAA28010@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:1479] Re: To all Mapmakers

To: aprssig@tapr.org

Date: Sun, 2 Jun 1996 08:41:37 -0500 (CDT)

In-Reply-To: <Pine.SUN.3.91.960602000717.8826C-1000000@arctic> from "Bob Bruninga" at Jun 1, 96 11:12:58 pm

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Bob Bruninga sez:

>

> APRSdos REPLY COMMENT: Send it to me. Maybe I should build it into MAPFIX
> to automatically make the conversion... Is the program in BASIC, so I
> can understand it?

If you have problems with it I'll help translate what you need.

Gerry

Geez... I mentioned the NAD27/NAD83(93)/WGS84 offset months ago!

From barrettd@crpl.cedar-rapids.lib.ia.us Sun Jun 02 09:04:39 1996

Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us [198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA27608 for <aprssig@tapr.org>; Sun, 2 Jun 1996 09:04:37 -0500 (CDT)

Message-Id: <199606021404.JAA27608@tapr.org>

Received: from ppp-105.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US with SMTP;

Sun, 2 Jun 1996 9:03:30 -0500 (CDT)

X-Sender: barrettd@crpl.cedar-rapids.lib.ia.us

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sun, 02 Jun 1996 09:08:16 -0500

To: aprssig@tapr.org

From: David Barrett <barrettd@crpl.cedar-rapids.lib.ia.us>

Subject: rutgers site, NICAD help

I was just wondering if anyone else was having problems connecting to aprs.rutgers.edu? I've tried for several days now and it seems any rutgers site isn't responding.

I also would appreciate any pointers to files, QST, or 73 articles that

would have plans for a nicad charger/conditioner.
thank's in advance.

David E. Barrett
barrettd@crpl.cedar-rapids.lib.ia.us

If I can't give you a good sound reason
I'll give you a reason that sounds good

```
  _  
 _(_)_  
(_-----_)  
 \   \   \  
  \   \
```

From ku0g@sprynet.com Sun Jun 02 09:10:27 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA27744 for <aprssig@tapr.org>; Sun, 2 Jun 1996
09:10:24 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.148.102] (dd06-102.compuserve.com [199.174.148.102]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA08851 for <aprssig@tapr.org>; Sun,
2 Jun 1996 07:08:24 -0700
Date: Sun, 2 Jun 1996 07:08:24 -0700
Message-Id: <199606021408.HAA08851@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1485] Re: FIELD DAY! APRS style
To: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.960601232708.22521A-1000000@ccnet3>
X-Mailer: SPRY Mail Version: 04.00.06.21

In order to make a valid FD contact there MUST be information exchanged!!! I'd
say the simplest way is to do a one-liner to a station as you see them!!!

I'd say just do the one-liner with your FD exchange and leave it at that. When
it gets ACKed and you receive an exchange back THAT'S a valid contact!!!
Monitoring just doesn't count!!!

Everyone watch for KU0G on FD! We'll be running 10.151 LSB (of course), 7085
and wherever else we can find activity!!!
We'll also be up on CW and SSB!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From j@harper.com Sun Jun 02 09:11:05 1996
Received: from crash.cts.com (root@crash.cts.com [192.188.72.17]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA27770 for <aprssig@tapr.org>; Sun, 2 Jun 1996

09:10:59 -0500 (CDT)

Received: from harper.com by crash.cts.com with smtp

(Smail3.1.29.1 #5) id m0uQDrh-00023TC; Sun, 2 Jun 96 07:10 PDT

Received: by harper.com (4.1/SMI-4.1)

id AA00395; Sun, 2 Jun 96 06:36:33 PDT

Message-Id: <9606021336.AA00395@harper.com>

From: J Goldberg <j@harper.com>

Date: Sun, 2 Jun 1996 06:36:32 PDT

X-Mailer: Mail User's Shell (7.2.2 4/12/91)

To: aprssig@tapr.org

Subject: Re: GPS display kit available

Ron,

(Sorry about the lag in my reply - it's hard to keep up with this SIG every day. If you'd like a fast answer from me on something, please also CC: j@harper.com)

I have successfully run the Garmin-45 into both the display and my PC serial port simultaneously. My old Trimble also worked fine as a source in that "Y" configuration. It has been my experience that serial outputs are able to drive at least two serial inputs; I've applied "Y" cables to about a dozen different applications over several years and found them all to work fine. I would not guarantee that any combination of random devices will work under any circumstances, but think the chances good in typical situations. In my applications, I have kept the wires fairly short (about 30 feet was the max I ran) and used relatively low speeds (9600bps), but those should be ok for most aprs/display combo setups.

73

j

At 13:23 960524, Ronald G. Parsons wrote:

>>I built a remote display for a Trimble GPS unit, and several people
>>have asked about its availability, applicability, etc. It seems a
>>posting here may be useful to the group; I include a brief description
>>of the kit below. The display works with the Garmin-45 using NMEA 2.0
>>output and, as the -20 has the same engine, it should work great for
>>that too.

>

>Would it be possible for the Garmin -20 unit to drive two input devices,
>say, one of these displays AND, say, a PacComm PicoPacket's second serial
>port?

>

>Then if a display was needed, the kit described above could be attached "in
>parallel" to the TNC's serial port.

>

>I guess the question really is "Does the -20 have enough drive on its
>serial output to drive two serial receiver chips?"

>

>

>Ron W5RKN
>
>also:
>rparsons@bga.com

J S Goldberg, KD6PBH, 619.693.9046
j@harper.com

--
j@harper.com, J Goldberg, Harper Technologies
USnail: P.O. Box 26910, San Diego CA 92196-0910
voice: 619.693.9046, fax: 619.621.9046

From ku0g@sprynet.com Sun Jun 02 09:12:08 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA27811 for <aprssig@tapr.org>; Sun, 2 Jun 1996
09:12:05 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.148.102] (dd06-102.compuserve.com [199.174.148.102]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA09061 for <aprssig@tapr.org>; Sun,
2 Jun 1996 07:10:09 -0700
Date: Sun, 2 Jun 1996 07:10:09 -0700
Message-Id: <199606021410.HAA09061@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1483] MacGPS Pro 2.0 release
To: aprssig@tapr.org
In-Reply-To: <v02130500add6d7337a42@[199.1.11.107]>
X-Mailer: SPRY Mail Version: 04.00.06.21

Sounds like APRS without transmit to me....

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ku0g@sprynet.com Sun Jun 02 09:21:53 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA28180 for <aprssig@tapr.org>; Sun, 2 Jun 1996
09:21:51 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.148.102] (dd06-102.compuserve.com [199.174.148.102]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA10556 for <aprssig@tapr.org>; Sun,
2 Jun 1996 07:19:55 -0700
Date: Sun, 2 Jun 1996 07:19:55 -0700
Message-Id: <199606021419.HAA10556@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1478] Re: Order Status
To: aprssig@tapr.org
In-Reply-To: <31B10D08.151@hargray.com>
X-Mailer: SPRY Mail Version: 04.00.06.21

Three days ago I apologized for this....How many times do you want me to repeat myself??? Geez, talk about wasted bandwidth.....

I noticed you didn't mention Agrello Engineering and the DFJr....Hey! If you're gonna whine, you simply MUST whine equitably!!!!

The Blackjack antenna is of a LIMITED interest and I made it available to the members of the SIG FIRST as they are the people most likely to use it!

Why should it matter to you, George? You DON'T have to read it just because it hit your mailbox! THAT'S what the Delete function is for: From now on, just delete anything that has a subject you don't care to read and leave it alone...

In the mean time, ONCE again with feeling:

I apologize for wasting the bandwidth with my previous posting regarding the shipment of antennas that people on the SIG ordered! I was in a hurry and didn't have all of the EMail addresses handy! I will not do this again...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

PS: George, you're NOT on the reservation list!

From ku0g@sprynet.com Sun Jun 02 09:30:57 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA28347 for <aprssig@tapr.org>; Sun, 2 Jun 1996 09:30:54 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.148.102] (dd06-102.compuserve.com [199.174.148.102]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA11687 for <aprssig@tapr.org>; Sun, 2 Jun 1996 07:28:58 -0700
Date: Sun, 2 Jun 1996 07:28:58 -0700
Message-Id: <199606021428.HAA11687@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1478] Re: Order Status
To: aprssig@tapr.org
In-Reply-To: <31B10D08.151@hargray.com>
X-Mailer: SPRY Mail Version: 04.00.06.21

You know, I just decided that KD4FJ's posting really made me angry!

To the best of my knowledge, Internet is a forum of free speech and expression.

I have the right to advertise my product here, as would anybody else!

While I don't actively pursue such activities, if I wanted to, I would very well be within my rights to do so!

If you don't want to read it, DELETE it!

What I did is NO different than TAPR posting messages about the shipment of the GPS units that people ordered!!! I didn't see a complaint about them in Georges message....

Enough said, I'm off the soapbox, but you can bet that it'll be a cold day in the underworld before I ship an antenna to KD4FJ!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From z004391b@bcfreenet.seflin.lib.fl.us Sun Jun 02 10:01:00 1996
Received: from pbfreenet.seflin.lib.fl.us (root@pbfreenet.seflin.lib.fl.us [199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA29583 for <aprssig@tapr.org>; Sun, 2 Jun 1996 10:00:57 -0500 (CDT)
Received: from bcfreenet.seflin.lib.fl.us (z004391b@bcfreenet.seflin.lib.fl.us [199.227.192.20]) by pbfreenet.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id KAA15224 for <aprssig@tapr.org>; Sun, 2 Jun 1996 10:59:52 -0400
Received: (from z004391b@localhost) by bcfreenet.seflin.lib.fl.us (8.6.12/8.6.12) id KAA15484; Sun, 2 Jun 1996 10:59:56 -0400
Date: Sun, 2 Jun 1996 10:59:55 -0400 (EDT)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:1473] Re: Looking for a Maxon Transmitter
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <199606011611.MAA14171@grumpy.magg.net>
Message-ID: <Pine.3.89.9606021014.B11259-0100000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A 'transmit only' rig can be used in ham radio, as implied from your statement, but there had better be a receiver nearby to insure that there are no other transmitters using that frequency. It is quite against the FCC rules and regulations to interfere with another station, and the only way you can avoid the interference is to use a receiver as part of the rig.

John W. Wilson
z004391b@bcfreenet.seflin.lib.fl.us

On Sat, 1 Jun 1996, JerryRector wrote:

> At 07:44 AM 6/1/96 -0500, you wrote:
> >I hope this 'transmit only' rig isn't going to be used in ham radio.
> >

> >John W. Wilson, KN4HX
> >z004391b@bcfreenet.seflin.lib.fl.us
> >
> >
> >On Tue, 28 May 1996 mark.endicott@nashville.com wrote:
> >
> >> I had a call today from a gentleman that needs one of the Maxon
> >> Transmitters that I was selling on this SIG. Since I have no more and
> >> can't get anymore, I thought that some of you that bought them may have
> >> changed your mind about them. I told him I would ask if there is just one
> >> spare out there that you could sell to him ? Please email me direct if
> >> anyone can spare one. Thanks...Mark WB0N00
> >>
> >
> >
> Pray tell, why would you hope that.....should it be used somewhere else????
> Jerry Rector, KB4OAM
> Chief Engineer,
> Hellinger Broadcast Group
> jerryr49@magg.net
>

From schiers@ames.net Sun Jun 02 10:09:14 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA00278 for <aprssig@tapr.org>; Sun, 2 Jun 1996
10:09:09 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606021509.KAA00278@tapr.org>
Received: from [206.29.126.237] by ames.net id 51320.wrk; Sun, 2 Jun 1996 10:09:36
-0600
Date: Sun, 02 Jun 96 07:51:46 -0600
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1478] Re: Order Status
In-Reply-To: <701517@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

In <701517@bbs.ames.net>, on 06/02/96 at 12:17 AM,
aprssig@tapr.org said:

>Please, please keep that stuff out of here. If you feel the need to
>advertise or confirm orders do it direct to private email or snail mail.
>Thank you.

I agree the it would have been better if the notices had
gone out individually.

(Although it saved Jim a lot of time to type up one quick
msg to the sig and giving him more time to service requests.)

Advertising a product that has direct applicability to the
members of the sig is perfectly OK by me, esp if it is being
made in "cottage industry" fashion. Let's not throw out the
baby with the bath water. The time to gripe is when the notiices become

too frequent.

It is a bit ironic that your complaint about the posting took up more bandwidth than the post you were complaining about. Sometimes it pays to just hold off and see if the behavior you object to recurr.

hasan schiers, NOAN

schiers@ames.net

From z004391b@bcfreenet.seflin.lib.fl.us Sun Jun 02 10:09:48 1996
Received: from pbfreenet.seflin.lib.fl.us (root@pbfreenet.seflin.lib.fl.us [199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA00302 for <aprssig@tapr.org>; Sun, 2 Jun 1996 10:09:45 -0500 (CDT)
Received: from bcfreenet.seflin.lib.fl.us (z004391b@bcfreenet.seflin.lib.fl.us [199.227.192.20]) by pbfreenet.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id LAA17033 for <aprssig@tapr.org>; Sun, 2 Jun 1996 11:08:45 -0400
Received: (from z004391b@localhost) by bcfreenet.seflin.lib.fl.us (8.6.12/8.6.12) id LAA17474; Sun, 2 Jun 1996 11:08:48 -0400
Date: Sun, 2 Jun 1996 11:08:48 -0400 (EDT)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:1480] FIELD DAY! APRS style
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.960602001416.8826F-1000000@arctic>
Message-ID: <Pine.3.89.9606021143.F11259-01000000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I may be wrong (probably am) but I thought that only two-way qso's and not one way 'beacons' were allowed for point getters on field day.

73,

John W. Wilson
z004391b@bcfreenet.seflin.lib.fl.us

On Sat, 1 Jun 1996, Bob Bruninga wrote:

> Take your computer out to field day and count every station on the map as
> a DIGITAL contact worth 2 points! Also, APRS Looks REAL impressive at
> NIGHT. DONT bother until dusk, hi hi (or find a real shady place)/...
>
> OPerations on the standard freq for your area. and 10.151LSB
>
> I was at ROchester Hamfest and again the question came up about 20 meters???
>
> Again I suggested either 14.100 as an unused freq (but you will get
> interference from both 14.99 and 14.101,
>
> Or see if any of the keyboarders on 14.105 are using APRS? I have not
> tried these in years, ANYone care to comment? Its time to start playing

> on 20 meters.... I picked up a 100 Watt 4 channel XTAL controlled HF SSB
> rig for \$80. They guy had several..... Look for Marine band stuff
>
> de wb4apr@amsat.org
>

From bruninga@nadm.navy.mil Sun Jun 02 10:19:39 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA00778 for <aprssig@tapr.org>; Sun, 2
Jun 1996 10:19:36 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
LAA13227; Sun, 2 Jun 1996 11:20:27 -0400
Date: Sun, 2 Jun 1996 11:20:27 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: "Stephen A. Davis" <75076.675@CompuServe.COM>
cc: aprssig@tapr.org
Subject: APRS WX stuff
In-Reply-To: <960602053956_75076.675_CHR43-1@CompuServe.COM>
Message-ID: <Pine.SUN.3.91.960602111246.13126C-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Steve reports that the Natl WX service has a standard for RAIN-PER-DAY.
(probably starts at midnight???)

APRS goes through a much more complex process of keeping a sliding
history so that it is reporting rain-per-last-24-hrs continuously.

This I thought was a neat idea, but it is a pain and takes a lot of code.

I would be happy to change APRSdos to a RAIN-PER-DAY, and make it so that
it would keep track even during a re-start, if that is what the WX guys
think is best.

SAME would go for the RAIN-PER-HOUR. Mine is a continuous sliding
rain-per-last-60 minutes. It would be much easier to clear the count
on the hour and only accumulate one value.

The advantage of my way, is that at 16:05, you know how much rain fell
since 15:05. In the new way, at 16:05 you would only be able to learn
how much rain had fallen since 16:00... and would have NO RECORD of what
fell since 15:05...

I have fixed the DAVIS and U-2K fading to gray. will be in 76b soon.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 02 10:25:06 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA00943 for <aprssig@tapr.org>; Sun, 2
Jun 1996 10:25:03 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
LAA13254; Sun, 2 Jun 1996 11:25:57 -0400

Date: Sun, 2 Jun 1996 11:25:56 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1485] Re: FIELD DAY! APRS style
In-Reply-To: <Pine.SUN.3.91.960601232708.22521A-100000@ccnet3>
Message-ID: <Pine.SUN.3.91.960602112506.13126E-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, Bob Wilkins n6fri wrote:

> On Sat, 1 Jun 1996, Bob Bruninga wrote:
>
> > Take your computer out to field day and count every station on the map as
> > a DIGITAL contact worth 2 points! Also, APRS Looks REAL impressive at
> > NIGHT. Dont bother until dusk, hi hi (or find a real shady place)/...
>
> Looks like a shady practice ... hearing a station and having it show on
> the map is not the same as contacting and logging the station.

APRSDOS REPLY COMMENT: Absolutely correct, hi hi. You need a message and
and ACK to qualify for FD points. Thanks...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 02 10:27:20 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA01051 for <aprssig@tapr.org>; Sun, 2
Jun 1996 10:27:17 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
LAA13261; Sun, 2 Jun 1996 11:28:10 -0400
Date: Sun, 2 Jun 1996 11:28:09 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1487] Re: Copy of: KPC-3 HELP
In-Reply-To: <Pine.3.89.9606020729.B5193-0100000@bcfreenet.seflin.lib.fl.us>
Message-ID: <Pine.SUN.3.91.960602112737.13126G-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, John W Wilson wrote:

> The first thing I do when I get an update of the APRS program is to
> remark out the parity line. It seems to be a foolish thing to have as a
> command in the first place. If the TNC is already communicating with the

APRSDOS REPLY COMMENT: That line has been eliminated in APRS76 distros...

de wb4apr@amsat.org

From schiers@ames.net Sun Jun 02 10:27:53 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA01069 for <aprssig@tapr.org>; Sun, 2 Jun 1996

10:27:48 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606021527.KAA01069@tapr.org>
Received: from [206.29.126.237] by ames.net id 53880.wrk; Sun, 2 Jun 1996 10:28:18 -0600
Date: Sun, 02 Jun 96 10:19:53 -0600
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1352] WinAPRS_DualPort
In-Reply-To: <697650@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

In <697650@bbs.ames.net>, on 05/27/96 at 01:28 PM,
aprssig@tapr.org said:

>2) When I want to send a message (either Reply click, of New Message)
> how do I know which port is going to be used? Am concerned
>that I
> particularly do not want to QRM the HF side. Do I go into
>terminal
> and do a port cmd? I have tried this and SteamSW char in
>address etc
> but as best I can tell, the messages get sent out on both hf
>and vhf.

> Also when I look at the history list, I see my ID string,
>Beacon, and
> position with just the /v, are these only being sent out on
>vhf? I guess
> this 2 port thing in general just has me confused. Any help
>greatly
> appreciated!
>s,
>agore <s,
>agore <

> Arthur Shih, [Team OS/2] in Taiwan.
> <http://OS2.csie.fju.edu.tw>
> <http://www.csie.fju.edu.tw/~ie825136>
>+-----
>---E

Click on VHF port for access to the dual port tnc...it is a bug.

Using the message facility, sends the message out on both ports whether you want to or not...you can't control it, and just have to accept that it is going to happen....until it gets fixed.

Are you running WinAPRS under Win-OS/2? If so what version of Win32s are you using and where did you find it? I put together a dedicated Win95 machine for WinAPRS and it works fine, but it would be nice to know I had a backup available with OS/2 Warp and Merlin to come. 73,

hasan schiers, NOAN

schiers@ames.net

From bruninga@nadm.navy.mil Sun Jun 02 10:30:01 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA01138 for <aprssig@tapr.org>; Sun, 2
Jun 1996 10:29:58 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
LAA13272; Sun, 2 Jun 1996 11:30:51 -0400
Date: Sun, 2 Jun 1996 11:30:50 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1489] Re: To all Mapmakers
In-Reply-To: <199606021341.IAA28010@solar.cs.tamu.edu>
Message-ID: <Pine.SUN.3.91.960602112837.13126H@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, Gerald J Creager wrote:

> Geez... I mentioned the NAD27/NAD83(93)/WGS84 offset months ago!

APRSDOS REPLY COMMENT: Yes, but you didnt give a clue as to how easy it
was to convert. I figured it would take complex quadratic or higher
order math to convert every point in a map. She suggests that you only
convert the ORIGIN and its done.

I was hoping you would jump in and tell me the exact formula rather than
me having to pull it out of some program code.

So I was thinking of you specifically when I posted my reply, hi hi

So, do you have the textbook conversion equation?

de wb4apr@amsat.org

From cbuttsch@slonet.org Sun Jun 02 10:54:13 1996
Received: from spork.callamer.com (cbuttsch@spork.callamer.com [199.74.141.2]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA02437 for <aprssig@tapr.org>; Sun, 2
Jun 1996 10:54:11 -0500 (CDT)
Received: from localhost (cbuttsch@localhost) by spork.callamer.com (8.7.5/8.7.3)
with SMTP id IAA00588 for <aprssig@tapr.org>; Sun, 2 Jun 1996 08:52:07 -0700 (PDT)
Date: Sun, 2 Jun 1996 08:52:06 -0700 (PDT)
From: Clifford Buttschardt <cbuttsch@slonet.org>
X-Sender: cbuttsch@spork.callamer.com
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1498] Re: FIELD DAY! APRS style
In-Reply-To: <Pine.3.89.9606021143.F11259-01000000@bcfreenet.seflin.lib.fl.us>
Message-ID: <Pine.SOL.3.93.960602085008.29610C-1000000@spork.callamer.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Regarding the use of 14100 Khz, remember that the worldwide propagation beacons are on that frequency. It becomes a matter of how irritating one wants to become even though the APRS bursts are short! Cliff W6HDO

From christen@codger.physics.duq.edu Sun Jun 02 11:52:07 1996

Received: from infobahn.icubed.com ([199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA04887 for <aprssig@tapr.org>; Sun, 2 Jun 1996 11:52:04 -0500 (CDT)
Received: from wm3.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)

id AA06728; Sun, 2 Jun 1996 12:48:36 -0400

Sender: paul@infobahn.icubed.com

Message-Id: <31B1C6CB.32B02B7D@codger.physics.duq.edu>

Date: Sun, 02 Jun 1996 12:52:27 -0400

From: Paul Christenson <christen@codger.physics.duq.edu>

Organization: Duquesne University Amateur Radio Club

X-Mailer: Mozilla 3.0b4 (X11; I; Linux 1.2.13 i486)

Mime-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1452] Re: URGENT ARRL NEDIV BULLETIN

References: <v02110102add4add84235@[144.92.79.161]>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Bruce Micales wrote:

>
> >>Remember that it is the World Radio Conference you have to convince, not
> >>the FCC.
> >>
> >
> >I wonder what Yeasu, Icom, Kenwood, Standard, and all the other companies
> >who make 2m and 70cm equipment, not to mention all the vendors who supply
> >components, and all the mail-order, wholesale and retail outlets have to
> >say about this little change. It would not only effect a change in "bands"
> >but a major change in \$\$\$. I suspect thinking of just this small proposal
> >that it may be a bargaining chip for something else, It's all politics..
> >WATCH OUT this seems important but there is someother agenda.. Some other
> >purpose...
> In any case, this sort of thing should not be allowed to happen. Given the
> usefulness to the public, local governments and the Federal government, I
> am surprised that an industry would even consider the 2 meter and 70 cm
> (what are they going to do with the primary user..the U.S. Government on
> 420-450).

I doubt that it will happen. The 2m and 70 cm bands are allocated worldwide for Amateur use.

The 420-430 band is also allocated for government RADAR; that's the "Line A" stuff. However, 435-438 MHz is an international satellite allocation.

If anything, they'll probably end up with a small slice of one of the business band allocations.

From alanwc7r@primenet.com Sun Jun 02 12:57:32 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA07505 for <aprssig@tapr.org>; Sun, 2 Jun 1996 12:57:29 -0500 (CDT)
Received: from primenet.com (root@usr2.primenet.com [198.68.32.12]) by mailhost1.primenet.com (8.7.3/8.7.1) with ESMTP id KAA21607 for <aprssig@tapr.org>; Sun, 2 Jun 1996 10:57:25 -0700 (MST)
Received: from wc7r (ip191.prc.primenet.com [204.212.56.191]) by primenet.com (8.7.3/8.7.3) with SMTP id KAA14375 for <aprssig@tapr.org>; Sun, 2 Jun 1996 10:57:24 -0700 (MST)
Message-Id: <2.2.32.19960602165724.00675aa4@mailhost.primenet.com>
X-Sender: alanwc7r@mailhost.primenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 02 Jun 1996 10:57:24 -0600
To: aprssig@tapr.org
From: "Alan K. Unangst" <alanwc7r@primenet.com>
Subject: Re: [APRSSIG:1479] Re: To all Mapmakers

Yes, Bob, I would like it, also. Please post it to the SIG and let us know when it's up. It sounds like a great suggestion, THANKS!!!! 73, Alan

At 11:11 PM 6/1/96 -0500, you wrote:
>On Fri, 31 May 1996, Barbara Fehner wrote:
>
>> I would suggest that all new maps be made to the WGS84 datum and all old
>> maps of 32 mile or less range be converted.
>>
>> The program MADTRANS (DOS program) can be used to convert the NAD27
>> coordinates to WGS84. If someone wants this program I can upload it to the
>> TAPR site.
>
>APRSDos REPLY COMMENT: Send it to me. Maybe I should build it into MAPFIX
>to automatically make the conversion... Is the program in BASIC, so I
>can understand it?
>
>de wb4apr@amsat.org
>
>
Alan K. Unangst, WC7R
E-mail: alanwc7r@primenet.com
Packet: WC7R @ KB7FRV

From bruninga@nadm.navy.mil Sun Jun 02 13:07:01 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA07900 for <aprssig@tapr.org>; Sun, 2 Jun 1996 13:06:57 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id OAA13995; Sun, 2 Jun 1996 14:07:50 -0400
Date: Sun, 2 Jun 1996 14:07:49 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>

To: aprssig@tapr.org
Subject: 20 meter FREQ
In-Reply-To: <Pine.SOL.3.93.960602085008.29610C-1000000@spork.callamer.com>
Message-ID: <Pine.SUN.3.91.960602140017.13915B-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, Clifford Buttschardt wrote:

> Regarding the use of 14100 Khz, remember that the worldwide propagation
> beacons are on that frequency. It becomes a matter of how irritating one
> wants to become even though the APRS bursts are short! Cliff W6HDO

APRSDOS REPLY COMMENT: EXACTLY. That's why operating packet LSB will absolutely NOT interfere with them. They are operating on a carrier frequency of 14.100 exactly. If you tune your SSB station to 14.100 LSB and operated an AFSK TNC, then you will not hear them at all, and you will also not interfere with them at all. Your transmitted tones will be either offset 2210 HZ lower and have a bandwidth of about +/- 700 HZ. Therefore all of your energy will be well outside of a CW receiver listening to 14.100.

We proposed that frequency long ago hoping to take advantage of the fact that many hams don't understand the offsets between their DIAL frequency and their actual emission energy.

By the way, the DIAL frequency to avoid so that you do not interfere with the CW beacons is 14.100 + 2210 hz or 14.102 for LSB and 14.998 for USB. That would definitely be a no-no. hi hi

de wb4apr@amsat.org

From bruninga@nadn.navy.mil Sun Jun 02 13:22:53 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA08389 for <aprssig@tapr.org>; Sun, 2 Jun 1996 13:22:50 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id OAA14201; Sun, 2 Jun 1996 14:23:44 -0400
Date: Sun, 2 Jun 1996 14:23:43 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: MFJ Data Radio
Message-ID: <Pine.SUN.3.91.960602140828.13915C-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Remember months ago when I bought a number of \$120 MFJ 8621 Data radios. They work, but they did not appear to give me the performance that I had been used to with my \$1200 VHF all mode rig... (hi hi)

Today, I finally put one on the bench and measured about 2.5 microvolts to get good quality S/N ratio. This is about 10 dB worse than their spec and also my big rig. So, I thought I would go inside and tweak it up...

Nope, only two adjustments. XTAL freq and Discreminator coil.

The RF front end is just two coils of loose wire that you squeeze or expand with a toothpick. They were right-on. I could only make them worse. The whole receiver is just a single transistor RF amp driving an IC chip.

So, at 33% of the usual cost of a 2m radio, they seem to be perfect for dedicated use where all you need to do is hit the nearest node or digi. Also remember they do have the davantage of being 9600 baud data ready (that is what they were designed to do, anyway). So, I am not dissatisfied, but now I know under what circumstances to use them.

On transmit, setting the transmit audio level LOW is absolutely essential. I actually like that, since 98% of the packet signals that you normally hear are quite distorted since most people do not adjust the XMT audio level low enough not to cause clipping in their MIC circuits. The MFJ has no MIC clippers or limiters, and if the audio is too high, you simply deviate out of the passband, and no one copies you.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 02 13:44:55 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA09016 for <aprssig@tapr.org>; Sun, 2 Jun 1996 13:44:53 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id OAA14472; Sun, 2 Jun 1996 14:45:47 -0400
Date: Sun, 2 Jun 1996 14:45:47 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Phily to DC Bike ride
Message-ID: <Pine.SUN.3.91.960602144156.14444B-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

We have been requested to provide tracking and as much voice COMM support for a national biking event (5000 bikes) leaving Philadelphia on the 21st and to arrive DC on the 23rd of June after spending most of the route in Maryland. We have APRS packet stations well situated all along the route. Anyone want to volunteer to install my TRACKERS and or play out there in the field?

de wb4apr@amsat.org

From rhiii@pop.erols.com Sun Jun 02 13:51:32 1996
Received: from smtp1.erols.com (root@smtp1.erols.com [205.252.116.101]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTMP id NAA09638 for <aprssig@tapr.org>; Sun, 2 Jun 1996 13:51:29 -0500 (CDT)
Received: from as36s08.erols.com (as36s08.erols.com [206.161.188.8]) by smtp1.erols.com (8.7.4/8.6.5) with SMTP id OAA02544 for <aprssig@tapr.org>; Sun, 2 Jun 1996 14:51:24 -0400 (EDT)
From: rhiii@pop.erols.com (Richard H)

To: aprssig@tapr.org
Subject: Re: [APRSSIG:1502] Re: WinAPRS_DualPort
Date: Sun, 02 Jun 1996 18:51:17 GMT
Message-ID: <31b1e1b3.14832386@smtp.erols.com>
References: <199606021527.KAA01069@tapr.org>
In-Reply-To: <199606021527.KAA01069@tapr.org>
X-Mailer: Forte Agent .99e/16.227

Using a very old ver of dos aprs. Think I'd like to try the
windoze version. Where can I find it ?

Thanks
---Richard/nt2z

From christen@codger.physics.duq.edu Sun Jun 02 15:08:29 1996
Received: from infobahn.icubed.com ([199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id PAA12226 for <aprssig@tapr.org>; Sun, 2 Jun 1996 15:08:24 -0500 (CDT)
Received: from wm7.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA13128; Sun, 2 Jun 1996 16:04:46 -0400
Sender: paul@infobahn.icubed.com
Message-Id: <31B1F4C7.279196E3@codger.physics.duq.edu>
Date: Sun, 02 Jun 1996 16:08:39 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Organization: Duquesne University Amateur Radio Club
X-Mailer: Mozilla 3.0b4 (X11; I; Linux 1.2.13 i486)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1508] MFJ Data Radio
References: <Pine.SUN.3.91.960602140828.13915C-100000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> Remember months ago when I bought a number of \$120 MFJ 8621 Data
> radios.

This is the first I heard of these radios... so I did a little looking through
the mountain of Dayton literature, and there it was in glorious black and white.

Also, I found that there is an APRS specific version out there.

>From AES (www.aesham.com):

MFJ 8621	MFJ VHF DATA RADIO/145.01 MHZ	119.950	109.950
MFJ 8621X1	MFJ APRS READY VHF DATA/145.79	139.950	129.950

Wish I had known about these; probably would have picked one up at Dayton. I
could really use one for Field Day...

From n2czf@gate.net Sun Jun 02 15:08:46 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org

(8.7.5/8.7.3/1.9) with ESMTP id PAA12246 for <aprssig@tapr.org>; Sun, 2 Jun 1996 15:08:42 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.202 (wpbfl3-11.gate.net [199.227.125.202]) by osceola.gate.net (8.7.5/8.7.3) with SMTP id QAA17046; Sun, 2 Jun 1996 16:08:21 -0400
Date: Sun, 2 Jun 1996 16:08:21 -0400
Message-Id: <199606022008.QAA17046@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: APRS Users in FL Space Coast Area!!
To: aprssig@tapr.org
Cc: hoebakeb@irwin.vetrol.com
X-Mailer: SPRY Mail Version: 04.00.06.17

I would like to inform any "dormant" APRS users in the Space Coast area to keep an eye out on 145.79 in about 1-2 weeks. Many have asked for a WIDE digi in the Melbourne Daytona Beach area and I think we may have succeeded. This will be a test digi for the time being at 400ft runing 30 watts just North of Melbourne.

We hope that this digi will give the Daytona and Melbourne area a opportunity to link to Orlando all the time and also give us a possible link to Daytona from the Southern part of the state if we can get a WIDE in range of the Space Coast Digi.

The reason this is a test digi is due to the unknown ammount of users that are in range that will use it. If the digi is of no benifit the digi will not remain at the site. If of course the digi is of benifit to others and seen as worthwhile I have been told that it can be there for good. We have had users in the area over the years that come and go due to the lack of activity, if everyone just gave it a chance they will have noticed that there IS ACTIVITY it is just that no one stays on long enough to get the group going. 2-3 get on and then leave do since there are no more users, a few months later one or 2 pop up and leave since there is no one there and so on and so on.

I do not know what else the WIDE digi sysop wants to release as far as information and the expected time of the "trial" but try to get on and get as many friends on as much as possible. Make use of it and talk about it on the repeaters so that others may come and see what it is like. This is a golden opportunity and I am not sure how many others like this we can get in the future. So let's try to make it work this time.

I do not even know if the sysop want's to be known at this time so I will leave it up to him to take care of this but I thank him for making this effort. I have explained to him how to get on the sig and I hope to see him on soon.

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.
Steven Wright

From jswift@up.net Sun Jun 02 15:19:37 1996
Received: from btc1 (btc1.up.net [205.242.56.10]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id PAA12678 for <aprssig@tapr.org>; Sun, 2 Jun 1996 15:19:07 -0500 (CDT)
Received: from nb1-122.up.net by btc1 (5.x/SMI-SVR4)
id AA07503; Sun, 2 Jun 1996 16:16:58 -0400
Message-Id: <9606022016.AA07503@btc1>
X-Sender: jswift@mail.up.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="=====_833768256==_"
Date: Sun, 02 Jun 1996 16:17:36 -0500
To: aprssig@tapr.org
From: jack swift <jswift@up.net>
Subject: Re: [APRSSIG:1481] Need Maps for Detroit and Boston
X-Attachments: D:\MI_MAPS.ZIP;

--=====_833768256==_
Content-Type: text/plain; charset="us-ascii"

i didn't check these fully, but here is a complete set of michigan....

At 11:51 PM EST 6/1/96 -0500, you wrote:

> I'm traveling to Dearborn Michigan and Boston over the next several
> weeks. Does anyone have maps to cover these area? Of particular need is to
> cover from Detroit metro airport to Dearborn and Downtown Boston including
> Copley Square and Airport area.
> If you have a map that would fill the need, could you e-mail it to me at
> either e-mail address below.
>
> Thanks in Advance... 73,
>
> Roger Sellers
> Amateur Radio: KB9LBU
> E-Mail Home: rsellers@misha.net
> E-Mail Work: rsellers@snds.com
>
>

--=====_833768256==_
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--=====833768256==_
Content-Type: text/plain; charset="us-ascii"

Jack Swift jswift@up.net N8WAV@W8YY.#UPMI.MI.USA.NA 47.119N 88.572W
Swift True Value Hardware 402 Sheldon Ave. Houghton, MI 49931
906-482-0530, 0531, 7766 Alpha Phi Omega Epsilon Lambda Chapter Advisor
Houghton County Amateur Radio Emergency Service Dereliction IS!
Keweenaw Peninsula Chapter American Red Cross CIO/Treasurer Ham It Up!
^^

--=====833768256==_--

From n2czf@gate.net Sun Jun 02 15:23:05 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id PAA12721 for <aprssig@tapr.org>; Sun, 2 Jun 1996
15:23:02 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.202 (wpbfl3-11.gate.net [199.227.125.202]) by
osceola.gate.net (8.7.5/8.7.3) with SMTP id QAA24504 for <aprssig@tapr.org>; Sun,
2 Jun 1996 16:22:47 -0400
Date: Sun, 2 Jun 1996 16:22:47 -0400
Message-Id: <199606022022.QAA24504@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1497] Re: Order Status
To: aprssig@tapr.org
In-Reply-To: <199606021509.KAA00278@tapr.org>
X-Mailer: SPRY Mail Version: 04.00.06.17

On Sun, 2 Jun 1996, schiers@ames.net wrote:

EDITED

>Advertising a product that has direct applicability to the
>members of the sig is perfectly OK by me, esp if it is being
>made in "cottage industry" fashion. Let's not throw out the
>baby with the bath water. The time to gripe is when the notiices become
>too frequent.

>
hasan schiers, NOAN

>-----

>schiers@ames.net

>-----

I agree if it is a Cottage Insustry and the member is a ACTIVE APRS user and sig member to give the person the courtesy of the posting. We have several people on the sig that do make some money (or try to) with their APRS interest as in PacComm, "Mr. Bob", Agrelia Eng., The Sproul Brothers., and some others from time to time. I have never seen a sig have so many "key people" acive and willing to ask questions and solve problems as here.

To make use of a old saying "Don't look a gift horse in the mouth" or whatever. They spend their time on the sig helping us now it is time for us to "help" them if you call leting them post a message that can benifit us "helping them".

Maybe personal replies are more in order but if this cannot be done for some reason I hope the "vendor" would make some sort of attempt to contact me. If this means a general posting so be it, it may not pertain to me this time but it may the next!

Watch out for what you wish, it may come back to haunt you!

73's De Rich N2CZF

n2czf@gate.net

Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before. Steven Wright

From dmobley@encore.com Sun Jun 02 15:27:27 1996

Received: from ns.encore.COM (ns.encore.COM [129.91.131.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA12758 for <aprssig@tapr.org>; Sun, 2 Jun 1996 15:27:22 -0500 (CDT)

Received: from rt-tss.encore.COM by ns.encore.COM with SMTP id AA08628 (5.67/UK-2.1-950411); Sun, 2 Jun 96 16:27:43 -0400

Received: from dmobley-slip by rt-tss; (5.65v3.2/1.1.8.2/13May96-1039AM) id AA24719; Sun, 2 Jun 1996 16:28:31 -0400

Message-Id: <31B1F852.5639@encore.com>

Date: Sun, 02 Jun 1996 16:23:46 -0400

From: Dennis Mobley <dmobley@encore.com>

X-Mailer: Mozilla 2.02Gold (Win95; I)

Mime-Version: 1.0

To: aprssig@tapr.org

Cc: dmobley@encore.com, Mike Kantor KD4EMI <kd4emi@aol.com>

Subject: Re: [APRSSIG:1480] FIELD DAY! APRS style

References: <Pine.SUN.3.91.960602001416.8826F-100000@arctic>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>

> Take your computer out to field day and count every station on the map as
> a DIGITAL contact worth 2 points! Also, APRS Looks REAL impressive at
> NIGHT. DONT bother until dusk, hi hi (or find a real shady place)/...

>
> OPerations on the standard freq for your area. and 10.151LSB
>
> I was at ROchester Hamfest and again the question came up about 20 meters???
>
> Again I suggested either 14.100 as an unused freq (but you will get
> interference from both 14.99 and 14.101,
>
> Or see if any of the keyboarders on 14.105 are using APRS? I have not
> tried these in years, ANYone care to comment? Its time to start playing
> on 20 meters.... I picked up a 100 Watt 4 channel XTAL controlled HF SSB
> rig for \$80. They guy had several..... Look for Marine band stuff
>
> de wb4apr@amsat.org

Hello all,

We plan to operate a APRS VHF/HF Field Day station here in the
Ft Lauderdale Florida area. Our call for FD will be N4HHP.

In reviewing the APRSSIG posting, a few point need to be addressed.

1. Frequency of operations.

The APRS frequency of 10.151 is invalid as per ARRL FD rules.

(From the ARRL WWW Page on FD rules)

(2) Object:

"To work as many stations as possible on any or all
amateur bands (except 10, 18 AND 24-MHz bands) and,
in doing so...."

Our current plan is to operate on 14.105 during the day
and on 40m night. I also plan to move my HF APRS station
(KT4FI-3) to 14.105 this week to "test the waters".

2. Contest Exchange... (ARRL WWW FD Page)

(6) Exchange:

Stations in any ARRL/RAC Section will exchange their
Field Day operating class and ARRL/RAC Section. For
example, if your club group was planning to operate
in the three-transmitter, Class A category from Missouri,
you would send "3 A Missouri". Foreign stations send
RS(T) and QTH.

3. Rule 7C "...The repeater provision" (ARRL WWW FD Page)

8) Packet Radio:

100 points can be earned by completing at least one
QSO on packet radio during the Field Day period.
The repeater provision of Rule 7C is waived for packet
radio QSOs. A packet station (one) does not count
as an additional transmitter. On the summary sheet,
show packet radio QSOs as a separate "band".

The concept of a "GATE" is in the gray area. We interpret this

rule to allow GATES as "repeaters". This opens the FD activity to many more of our APRS operators.

There is an issue we must address, we could bog the HF network down to a halt. Might I suggest...

1. FD GATES be renamed to "FDxx", where xx is the band of operation. Example, 20m GATE would become FD20.
2. Position reports kept to a minimum. Example 60 minutes.
3. No mobile tracking.
4. FD traffic limited to FD exchange.
5. If you are on the air, the station is manned.
6. If you are running a FD GATE, manage the GATE.

These are only suggestions, and we need to formulate a plan to have a successful FD operations.

Please comment.

In closing, we are working with the Ft. Lauderdale area ARES/RACES folks. Our objective is to demonstrate APRS as a tool in the their operations. Not all Amateurs understand APRS and some feel that it is a fancy toy. We hope and plan to change that.

If any folks can not access ARRL web page and do not have access to QST, please ask and I can format the pages into text and post them here on the SIG.

Thank you for your time.
73 de Dennis Mobley
Sunrise, FL (EL96UD)
dmobley@encore.com

From wvolle@ix.netcom.com Sun Jun 02 15:35:55 1996
Received: from dfw-ix8.ix.netcom.com (dfw-ix8.ix.netcom.com [206.214.98.8]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA13173 for <aprssig@tapr.org>; Sun, 2 Jun 1996 15:35:52 -0500 (CDT)
Received: from LOCALNAME (hun-a11-27.ix.netcom.com [205.184.6.59]) by dfw-ix8.ix.netcom.com (8.6.13/8.6.12) with SMTP id NAA23551 for <aprssig@tapr.org>; Sun, 2 Jun 1996 13:35:33 -0700
Message-ID: <31B21706.6178@ix.netcom.com>
Date: Sun, 02 Jun 1996 15:34:46 -0700
From: William Nolle <wvolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: DFjr
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Are there any DFjr owners on the Sig?. my question is that i recived a warning from a DFjr owner that it will not talk to a computer to well (Or not at all). Now this has nothing to do with it not working with APRS at

the present because i'm aware of that. The warning stated the DFjr doesn't have the correct RS232 levels of +12v to -12v, but rather 0 to 5v. I know Joe doesn't like this type of message to be posted here, but i must know this type of info. I think Agrelo needs to put out some more information of this type, (If this is true!).

Bill KE4EER
<http://www.netcom.com/~wnolle>

From jswift@up.net Sun Jun 02 17:04:38 1996
Received: from btc1 (btc1.up.net [205.242.56.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA16433 for <aprssig@tapr.org>; Sun, 2 Jun 1996 17:04:28 -0500 (CDT)
Received: from nb1-122.up.net by btc1 (5.x/SMI-SVR4) id AA09344; Sun, 2 Jun 1996 18:04:19 -0400
Message-Id: <9606022204.AA09344@btc1>
X-Sender: jswift@mail.up.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 02 Jun 1996 18:05:00 -0500
To: aprssig@tapr.org
From: jack swift <jswift@up.net>
Subject: Re: [APRSSIG:1004] Little Red Fox GPS Antennas...

Jim,

 i still have the antenna with the 12' cable -- unpaid!
 i would offer two solutions (you and paul can figure out who gets the antenna or money):
 1. i'll send it to you (default solution in 10 days or so...)
 2. you figure out a good way for me to 'waterproof' it so i can put on TOP of the roof of my motorhome and i'll send the check (\$40 per the invoice).

 as far as the 'waterproofing' goes, i'll accept any way that won't degrade the performance of the antenna and won't prevent it from spending months at a time on the roof and won't prevent it staying on the roof in bad headwinds at 70 MPH... that means if duct-taping it into a 'package' will work technically it's OK by me..... (note i never mentioned esthetically pleasing as a requirement).

At 02:16 AM EST 5/18/96 -0500, you wrote:
>Greetings, all (or "y'all" for y'all Suthunuhzz).
>
>Paul Stump, N0LRF, is now employed by Garmin International.
>
>As a result, he has been told that he can no longer build, market and sell the
>Little Red Fox line of GPS antennas.
>
>I have acquired the remaining stock of these antennas. Eventually, with a
>little help getting started from Paul, I hope to be able to continue to
produce

> to get good quality S/N ratio. This is about 10 dB worse than their spec
> and also my big rig. So, I thought I would go inside and tweak it up...
>
> Nope, only two adjustments. XTAL freq and Discreminator coil.
>
> The RF front end is just two coils of loose wire that you squeeze or
> expand with a toothpick. They were right-on. I could only make them worse.
> The whole receiver is just a single transistor RF amp driving an IC chip.
>
> So, at 33% of the usual cost of a 2m radio, they seem to be perfect for
> dedicated use where all you need to do is hit the nearest node or digi.
> Also remember they do have the davantage of being 9600 baud data
> ready (that is what they were designed to do, anyway). So, I am not
> dissatisfied, but now I know under what circumstances to use them.
>
> On transmit, setting the transmit audio level LOW is absolutely essential.
> I actually like that, since 98% of the packet signals that you normally
> hear are quite distorted since most people do not adjust the XMT
> audio level low enough not to cause clipping in their MIC circuits.
> The MFJ has no MIC clippers or limiters, and if the audio is too
> high, you simply deviate out of the passband, and no one copies you.
>
> de wb4apr@amsat.org

Bob, I also had great problems with the MFJ Radio. I put the Data Radio on my bench and measured 3.7 uv for 20 dB SINAD, way worse than specs.(.25 uv). So I contacted MFJ and they ask me to send the unit to them with a detailed note. A few weeks passed and I called, they in turn had sent the unit to an outside engineer(they could not test the unit in house, no test equipment!!!!???) Anyway I got the radio back with a note from the engineer, said that the antenna switch(diode) was below specs(leaky from bias). He replaced the diode with another one at different specs and said unit should meet specs. I put the unit back on the bench; rcvr sens .35 uv. Checked it against one other service monitor(same). Also the transmitter has alot of trash(Spurs), retuned xmitter and add a harmonic filter. MFJ said if I had any other units below specs to send them back. I just replaced the PIN diodes on my other units. Hope this helps.

Scott Arnold
KC5RIE
Southern Communications Advanced Technology
sarnold@access-net.com

From jswift@up.net Sun Jun 02 17:37:37 1996
Received: from btc1 (btc1.up.net [205.242.56.10]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id RAA17424 for <aprssig@tapr.org>; Sun, 2 Jun 1996 17:37:33 -0500 (CDT)
Received: from nb1-122.up.net by btc1 (5.x/SMI-SVR4)
id AA09876; Sun, 2 Jun 1996 18:28:11 -0400
Message-Id: <9606022228.AA09876@btc1>
X-Sender: jswift@mail.up.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Date: Sun, 02 Jun 1996 18:28:52 -0500
To: aprssig@tapr.org
From: jack swift <jswift@up.net>
Subject: Re: [APRSSIG:1513] APRSSIG digest 557

My Sincerest apologies!!! I really screwed up this time!
(and there is a smaller one i just realized i mass mailed) DRAT!!

At 05:21 PM EST 6/2/96 -0500, you wrote:

```
> Did you really have to send this to the whole damned mailing list?
```

 \succ

>>Subject: [APRSSIG:1513] APRSSIG digest 557

>>Sent: 6/2/96 20:32

>>Received: 6/2/96 17:20

>>From: jack swift <jswift@up.net>

>>To: aprssig@tapr.org

>>Enclosure: MI_MAPS.ZIP

>>

```
>>i didn't check these fully, but here is a complete set of michigan....
```

>>

Jack Swift jswift@up.net N8WAV@W8YY.#UPMI.MI.USA.NA 47.119N 88.572W
Swift True Value Hardware 402 Sheldon Ave. Houghton, MI 49931
906-482-0530, 0531, 7766 Alpha Phi Omega Epsilon Lambda Chapter Advisor
Houghton County Amateur Radio Emergency Service Dereliction IS!
Keweenaw Peninsula Chapter American Red Cross CIO/Treasurer Ham It Up!

From rwilkins@ccnet.com Sun Jun 02 17:58:22 1996

Received: from ccnet.ccnet.com (root@ccnet.ccnet.com [192.215.96.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA18196 for <aprssig@tapr.org>; Sun, 2 Jun 1996 17:58:19 -0500 (CDT)

Received: from ccnet3 (rwilkins@ccnet3.ccnet.com [192.215.96.11]) by

ccnet.ccnet.com (8.6.12/8.6.12) with SMTP id PAA22808 for <aprssig@tapr.org>; Sun,
2 Jun 1996 15:53:18 -0700

Date: Sun, 2 Jun 1996 15:55:16 -0700 (PDT)

From: Bob Wilkins n6fri <rwilkins@ccnet.com>

X-Sender: rwilkins@ccnet3

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1488] Digi's

In-Reply-To: <31B1A99C.241E@ix.netcom.com>

Message-ID: <Pine.SUN.3.91.960602154406.26991A-100000@ccnet3>

X-URL: <http://www.ccnet.com/~rwilkins/>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, William Nolle wrote:

```
> I see the following digi's in the Florida panhandle.
```

 \succ

> W2GFF-7, BALDWIN A.R.C DIGI
> K04TT-7, WEST FLORIDA MED CENTER DIGI
> KS4NY-7, WEST FLORIDA SKYWARN DIGI
> KS4NY WX DIGI
>
> My question to any of people in that area is i never see any users at all
> other then the above digi's. What good are digi's with nobody using them.
> Was just wondering??.

Looks like that area is getting ready for the next "Big One". They are getting prepared, Good deal!

You may be seeing the digis as their unproto paths may extend into your area. The users may have their paths set to just one wide. You can only see what the other group wants you to see if they are not direct.

Bob n6fri

Bob Wilkins	home	n6fri@uhf.org
Berkeley Hills, California	work	bob@cave.org
CM87uv	play	n6fri@n0ary.#nocal.ca.usa.noam

From fehner@cts.com Sun Jun 02 21:11:34 1996
Received: from mailhub.cts.com (mailhub.cts.com [192.188.72.25]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA27340 for <aprssig@tapr.org>; Sun, 2 Jun 1996 21:11:32 -0500 (CDT)
Received: from fehnercom.cts.com(really [198.68.171.229]) by mailhub.cts.com via smail with smtp
id <m0uQP77-000V5DC@mailhub.cts.com>
for <aprssig@tapr.org>; Sun, 2 Jun 96 19:11:25 -0700 (PDT)
(Smail-3.1.92 1996-Mar-19 #3 built 1996-Apr-21)
Message-Id: <2.2.32.19960603021629.0068e0c4@mail.cts.com>
X-Sender: fehner@mail.cts.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 02 Jun 1996 19:16:29 -0700
To: aprssig@tapr.org
From: Barbara Fehner <fehner@cts.com>
Subject: Re: [APRSSIG:1468] Re: To all Mapmakers

I have just uploaded the archive file MADTRAN.EXE to the TAPR upload directory. Datum transformation method is from the standard Molodensky formulas, DMA Technical Report 8350.2

Barbara KK6IB
E-Mail: fehner@cts.com

At 08:15 PM 5/31/96 -0500, you wrote:
>At 04:47 PM 5/31/96 -0500, you wrote:

>
>>I would suggest that all new maps be made to the WGS84 datum and all old
>>maps of 32 mile or less range be converted.
>
>How can I tell if the maps I made from the USGS 1:2,000,000 are NAD27 or
WGS84?
>
>>
>>The program MADTRANS (DOS program) can be used to convert the NAD27
>>coordinates to WGS84. If someone wants this program I can upload it to the
>>TAPR site.
>
>I think I would like it uploaded just for reference.
>
>>
>>Barbara KK6IB
>>E-Mail: fehner@cts.com
>>
>Dave

From amirault@laraby.tiac.net Sun Jun 02 21:19:47 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA27897 for <aprssig@tapr.org>; Sun, 2 Jun 1996
21:19:46 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id
WAA04607; Sun, 2 Jun 1996 22:19:45 -0400
Date: Sun, 2 Jun 1996 22:19:45 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1480] FIELD DAY! APRS style
In-Reply-To: <Pine.SUN.3.91.960602001416.8826F-1000000@arctic>
Message-ID: <Pine.BSF.3.91.960602221741.4569A-1000000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 1 Jun 1996, Bob Bruninga wrote:

> Take your computer out to field day and count every station on the map as
> a DIGITAL contact worth 2 points! Also, APRS Looks REAL impressive at
> NIGHT. DONT bother until dusk, hi hi (or find a real shady place)/...
>

Maybe I'm wrong, but I understood that *any* Field Day contact had to
include the ARRL SECTION as well as the call of a station.

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From wnoille@ix.netcom.com Sun Jun 02 21:32:28 1996
Received: from dfw-ix3.ix.netcom.com (dfw-ix3.ix.netcom.com [206.214.98.3]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA28066 for <aprssig@tapr.org>; Sun, 2
Jun 1996 21:32:24 -0500 (CDT)
Received: from hun-a12-19.ix.netcom.com (wnoille@hun-a12-19.ix.netcom.com

[205.184.6.83]) by dfw-ix3.ix.netcom.com (8.6.13/8.6.12) with SMTP id TAA18877 for <aprssig@tapr.org>; Sun, 2 Jun 1996 19:32:03 -0700
Message-ID: <31B26AA8.2001@ix.netcom.com>
Date: Sun, 02 Jun 1996 21:31:36 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1520] Re: Digi's
References: <Pine.SUN.3.91.960602154406.26991A-1000000@ccnet3>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Wilkins n6fri wrote:

>
> On Sun, 2 Jun 1996, William Nolle wrote:
>
> > I see the following digi's in the Florida panhandle.
> >
> > W2GFF-7, BALDWIN A.R.C DIGI
> > K04TT-7, WEST FLORIDA MED CENTER DIGI
> > KS4NY-7, WEST FLORIDA SKYWARN DIGI
> > KS4NY WX DIGI
> >
> > My question to any of people in that area is i never see any users at all
> > other then the above digi's. What good are digi's with nobody using them.
> > Was just wondering??.
>
> Looks like that area is getting ready for the next "Big One". They are
> getting prepared, Good deal!
>
> You may be seeing the digis as their unproto paths may extend into your
> area. The users may have their paths set to just one wide. You can only
> see what the other group wants you to see if they are not direct.
>
> Bob n6fri
>
> Bob Wilkins home n6fri@uhf.org
> Berkeley Hills, California work bob@cave.org
> CM87uv play n6fri@n0ary.#nocal.ca.usa.noam
>
> No that's not the case!. i have had several private e-mail messages of
them having problems getting users to stick with it.

Bill KE4EER
<http://www.netcom.com/~wnolle>

From amirault@laraby.tiac.net Sun Jun 02 21:36:32 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA28408 for <aprssig@tapr.org>; Sun, 2 Jun 1996 21:36:30 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id WAA04848; Sun, 2 Jun 1996 22:36:30 -0400

Date: Sun, 2 Jun 1996 22:36:29 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1499] APRS WX stuff
In-Reply-To: <Pine.SUN.3.91.960602111246.13126C-1000000@arctic>
Message-ID: <Pine.BSF.3.91.960602223521.4569C-1000000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, Bob Bruninga wrote:

> Steve reports that the Natl WX service has a standard for RAIN-PER-DAY.
> (probably starts at midnight???)
>
> APRS goes through a much more complex process of keeping a sliding
> history so that it is reporting rain-per-last-24-hrs continuously.
>
> I would be happy to change APRSdos to a RAIN-PER-DAY, and make it so that
> it would keep track even during a re-start, if that is what the WX guys
> think is best.
>

As a 24 hr APRS WX station operator, I prefer the Bob's current way.

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From amirault@laraby.tiac.net Sun Jun 02 21:42:51 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA28552 for <aprssig@tapr.org>; Sun, 2 Jun 1996
21:42:49 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id
WAA04935; Sun, 2 Jun 1996 22:42:49 -0400
Date: Sun, 2 Jun 1996 22:42:49 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1511] Re: MFJ Data Radio
In-Reply-To: <31B1F4C7.279196E3@codger.physics.duq.edu>
Message-ID: <Pine.BSF.3.91.960602224050.4569D-1000000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, Paul Christenson wrote:

>
> This is the first I heard of these radios... so I did a little looking through
> the mountain of Dayton literature, and there it was in glorious black and white.
>
> MFJ 8621 MFJ VHF DATA RADIO/145.01 MHZ 119.950 109.950
> MFJ 8621X1 MFJ APRS READY VHF DATA/145.79 139.950 129.950
>
> Wish I had known about these; probably would have picked one up at Dayton. I
> could really use one for Field Day...

I was not a Dayton, but both from what I've heard hear on the sig, and my own experience, the APRS version is hard to come by .. You place your order, and then you WAIT, and WAIT, and WAIT, for it to be delivered.

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From ku0g@sprynet.com Sun Jun 02 22:04:41 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA29505 for <aprssig@tapr.org>; Sun, 2 Jun 1996 22:04:39 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.135.28] (ad08-028.compuserve.com [199.174.135.28]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA00389 for <aprssig@tapr.org>; Sun, 2 Jun 1996 20:02:42 -0700
Date: Sun, 2 Jun 1996 20:02:42 -0700
Message-Id: <199606030302.UAA00389@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1514] Re: Order Status
To: aprssig@tapr.org
In-Reply-To: <199606022022.QAA24504@osceola.gate.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

Thanks Rich!!!! Also, thanks Hasan!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From bruninga@nadm.navy.mil Sun Jun 02 22:32:26 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA00425 for <aprssig@tapr.org>; Sun, 2 Jun 1996 22:32:24 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id XAA17930; Sun, 2 Jun 1996 23:33:18 -0400
Date: Sun, 2 Jun 1996 23:33:18 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: loosing first letter of callsign (fwd)
Message-ID: <Pine.SUN.3.91.960602233219.17811B-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone else have a clue?

de wb4apr@amsat.org

----- Forwarded message -----
From: Randy Hall <randyh@gvgadg.gvg.tek.com>
To: bruninga@nadm.navy.mil

The first letter of some callsigns, mine included, are changing to something that looks like a H. The H is about two characters tall and a bit narrow. ???

Running 76 with a PICO TNC.

Any ideas?

From gerry@cs.tamu.edu Sun Jun 02 22:35:30 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA00772 for <aprssig@tapr.org>; Sun, 2 Jun 1996 22:35:28 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id WAA28767 for <aprssig@tapr.org>; Sun, 2 Jun 1996 22:34:36 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id WAA03203 for aprssig@tapr.org; Sun, 2 Jun 1996 22:33:43 -0500
Message-Id: <199606030333.WAA03203@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1503] Re: To all Mapmakers
To: aprssig@tapr.org
Date: Sun, 2 Jun 1996 22:33:42 -0500 (CDT)
In-Reply-To: <Pine.SUN.3.91.960602112837.13126H@arctic> from "Bob Bruninga" at Jun 2, 96 10:58:20 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Actually, the conversion is **not** as easy as indicated previously. When we do it on OUR maps it requires a significant amount of code crunching.

I'll be doing that all day tomorrow. While I'm waiting for the dual-Pentium 120's to crunch the problems, I'll do some textbook research.

73, gerry

From bruninga@nadn.navy.mil Sun Jun 02 22:39:53 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA00897 for <aprssig@tapr.org>; Sun, 2 Jun 1996 22:39:50 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id XAA17966; Sun, 2 Jun 1996 23:40:44 -0400
Date: Sun, 2 Jun 1996 23:40:44 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1516] DFjr
In-Reply-To: <31B21706.6178@ix.netcom.com>
Message-ID: <Pine.SUN.3.91.960602233841.17811E-100000@arctic>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, William Nolle wrote:

> the present because i'm aware of that. The warning stated the DFjr
> doesn't have the correct RS232 levels of +12v to -12v, but rather 0 to 5v.

APRSDos REPLY COMMENT: That's no different than MOST GPS's which also only have 0 and +5. It's nothing to panic about. Can be solved with just a resistor to -v if it is a problem for your particular PC.

de wb4apr@amsat.org

From: bruninga@nadm.navy.mil Sun Jun 02 22:51:05 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA01496 for <aprssig@tapr.org>; Sun, 2 Jun 1996 22:51:03 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id XAA18071; Sun, 2 Jun 1996 23:51:56 -0400
Date: Sun, 2 Jun 1996 23:51:55 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1515] Re: FIELD DAY! APRS style
In-Reply-To: <31B1F852.5639@encore.com>
Message-ID: <Pine.SUN.3.91.960602234357.17811G-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, Dennis Mobley wrote:

> The APRS frequency of 10.151 is invalid as per ARRL FD rules.
> (2) Object:
> "To work as many stations as possible on any or all
> amateur bands (except 10, 18 AND 24-MHz bands) and,

> The repeater provision of Rule 7C is waived for packet
> radio QSOs. A packet station (one) does not count

APRSDos REPLY COMMENT: Does the OBJECTIVE to work stations on the other bands translate to a PROHIBITION or DISQUALIFICATION if activity is conducted on 30m? In either case, the DIGI provision clearly makes GATING legal for FD. The INTENT of the other bands rule is to NOT QRM these narrow bands by having contesters all over the band. BUT APRS FD activity would only be on the one channel anyway, so the spirit of the rule to limit interference to other users of the band is CLEARLY met to the fullest extent on 10.151.

Can someone get a ruling on this?

de wb4apr@amsat.org

From BordingK@aol.com Mon Jun 03 00:15:01 1996
Received: from emout12.mail.aol.com (emout12.mx.aol.com [198.81.11.38]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA09181 for <aprssig@tapr.org>; Mon, 3 Jun 1996 00:14:58 -0500 (CDT)
From: BordingK@aol.com
Received: by emout12.mail.aol.com (8.6.12/8.6.12) id BAA16247 for aprssig@tapr.org; Mon, 3 Jun 1996 01:14:26 -0400
Date: Mon, 3 Jun 1996 01:14:26 -0400
Message-ID: <960603011425_548016831@emout12.mail.aol.com>
To: aprssig@tapr.org
Subject: Pac Comm-Trimble GPS Ant

1. I got the little \$50. Trimble Active GPS ant. sold by Pac Comm up and running with my trusty Magellan Trailblazer ths weekend. Works great, locks on in a fraction of the time of the Magellan OEM ant. Built-in mag mount on bottom. Good buy if you can overcome the SMB connector. Does anyone know if the enclosure is waterproof, water resistant or what?

2. Expect to have one or more APRS stations up in Jacksonville for Field Day. I have not resolved the digi problem to get out of Florida so I may just be watch myself. Is there a particular symbol to use for a Field Day site?

73

Ken Bording KF4COH

From rwilkins@ccnet.com Mon Jun 03 01:24:14 1996
Received: from ccnet.ccnet.com (root@ccnet.ccnet.com [192.215.96.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id BAA13606 for <aprssig@tapr.org>; Mon, 3 Jun 1996 01:24:11 -0500 (CDT)
Received: from ccnet3 (rwilkins@ccnet3.ccnet.com [192.215.96.11]) by ccnet.ccnet.com (8.6.12/8.6.12) with SMTP id XAA29881 for <aprssig@tapr.org>; Sun, 2 Jun 1996 23:19:10 -0700
Date: Sun, 2 Jun 1996 23:21:08 -0700 (PDT)
From: Bob Wilkins n6fri <rwilkins@ccnet.com>
X-Sender: rwilkins@ccnet3
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1530] Re: FIELD DAY! APRS style
In-Reply-To: <Pine.SUN.3.91.960602234357.17811G-1000000@arctic>

Message-ID: <Pine.SUN.3.91.960602230849.17489D-1000000@ccnet3>
X-URL: <http://www.ccnet.com/~rwilkins/>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996, Bob Bruninga wrote:

> APRSdos REPLY COMMENT: Does the OBJECTIVE to work stations on the other
> bands translate to a PROHIBITION or DISAUALIFICATION if activity is
> conduceted on 30m? In either case, the DIGI provision clearly makes
> GATING legal for FD. The INTENT of the other bands rule is to NOT
> QRM these narrow bands by having testers all over the band. BUT APRS
> FD activity would only be on the one channel anyway, so the spirit of

> the rule to limit interference to other users of the band is CLEARLY
> met to the fullest extent on 10.151.

Wake Up Bob! this is a gray area. Do you really want to trash the APRS
use of the frequency every year? It works today for unconnected use. Now
you want to add connected message handling as well for testers?

> Can someone get a ruling on this?

You should know the answer ... who cares if it is legal, the load on a
single HF freq would be tremendous as every FD packet station would use your
loophole for a couple points. Nothing says they have to be running APRS.

The folks out on the highways and coastal waters that are using HF APRS will
just have to wait it out.

Bob Wilkins	home	n6fri@uhf.org
Berkeley Hills, California	work	bob@cave.org
CM87uv	play	n6fri@n0ary.#nocal.ca.usa.noam

From barrettd@crpl.cedar-rapids.lib.ia.us Mon Jun 03 01:24:22 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id BAA13625 for
<aprssig@tapr.org>; Mon, 3 Jun 1996 01:24:19 -0500 (CDT)
Message-Id: <199606030624.BAA13625@tapr.org>
Received: from ppp-106.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US with
SMTP;
Mon, 3 Jun 1996 1:23:10 -0500 (CDT)
X-Sender: barrettd@crpl.cedar-rapids.lib.ia.us
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 03 Jun 1996 01:27:53 -0500
To: aprssig@tapr.org
From: David Barrett <barrettd@crpl.cedar-rapids.lib.ia.us>
Subject: Re: [APRSSIG:1513] Re: Need Maps for Detroit and Boston

>Content-Transfer-Encoding: base64
>Content-Disposition: attachment; filename="MI_MAPS.ZIP"
>

Thank's Jack I just LOVE file attachments that are Base 64 encoded instead
of mime or bin hex,
and it only took 3 minutes to transfer from my mail server to my PC. Just
enough time to pee.

David E. Barrett
barrettd@crpl.cedar-rapids.lib.ia.us

If I can't give you a good sound reason
I'll give you a reason that sounds good



From barrettd@crpl.cedar-rapids.lib.ia.us Mon Jun 03 01:32:51 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id BAA13735 for
<aprssig@tapr.org>; Mon, 3 Jun 1996 01:32:48 -0500 (CDT)
Message-Id: <199606030632.BAA13735@tapr.org>
Received: from ppp-106.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US with
SMTP;

Mon, 3 Jun 1996 1:31:38 -0500 (CDT)
X-Sender: barrettd@crpl.cedar-rapids.lib.ia.us
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 03 Jun 1996 01:36:22 -0500
To: aprssig@tapr.org
From: David Barrett <barrettd@crpl.cedar-rapids.lib.ia.us>
Subject: Re: [APRSSIG:1513] Re: Need Maps for Detroit and Boston

>Date: Mon, 03 Jun 1996 01:27:53 -0500
>To: aprssig@tapr.org
>From: David Barrett <barrettd@crpl.cedar-rapids.lib.ia.us>
>Subject: Re: [APRSSIG:1513] Re: Need Maps for Detroit and Boston

>
>>Content-Transfer-Encoding: base64
>>Content-Disposition: attachment; filename="MI_MAPS.ZIP"
>>

>Thank's Jack I just LOVE file attachments that are Base 64 encoded instead
of mime or bin hex,
>and it only took 3 minutes to transfer from my maile server to my PC. Just
enough time to pee.

>
Gee and only in three part's of 100 - 200K a piece; sure am glad I got all
that since I plan on going to Michigan
sometime in the next milliniuem and god knows how much I love Boston. If you
had sent that to just the user
requesting it or uploded it to tapr I may have never gotten it.
Thanks again for such a timely service.

TICLLOL

David E. Barrett
barrettd@crpl.cedar-rapids.lib.ia.us

If I can't give you a good sound reason
I'll give you a reason that sounds good

_ () _
 _ () _
 (-----)
 \ \ \
 \ \
 \ \

From z004391b@bcfreenet.seflin.lib.fl.us Mon Jun 03 05:51:09 1996
Received: from pbfreenet.seflin.lib.fl.us (root@pbfreenet.seflin.lib.fl.us
[199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA20502 for
<aprssig@tapr.org>; Mon, 3 Jun 1996 05:51:07 -0500 (CDT)
Received: from bcfreenet.seflin.lib.fl.us (z004391b@bcfreenet.seflin.lib.fl.us
[199.227.192.20]) by pbfreenet.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id
GAA28315 for <aprssig@tapr.org>; Mon, 3 Jun 1996 06:50:06 -0400
Received: (from z004391b@localhost) by bcfreenet.seflin.lib.fl.us (8.6.12/8.6.12)
id GAA02273; Mon, 3 Jun 1996 06:50:08 -0400
Date: Mon, 3 Jun 1996 06:50:07 -0400 (EDT)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:1511] Re: MFJ Data Radio
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <31B1F4C7.279196E3@codger.physics.duq.edu>
Message-ID: <Pine.3.89.9606030600.A518-0100000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A friend here in South Florida bought one of the MFJ radios thinking it
would be a cheap alternative to getting into 9600 here. We tried it at
1200 first (needs tuning inside to switch to 1200) and had poor success.
He was able to copy a strong station on 145.01 pretty well but was also
copying stations on 145.05 as well.

Actually, when you think of it, that makes it a pretty useful multi
channel monitor, hi. Naa.
73,

John W. Wilson
z004391b@bcfreenet.seflin.lib.fl.us

On Sun, 2 Jun 1996, Paul Christenson wrote:

> Bob Bruninga wrote:
> >
> > Remember months ago when I bought a number of \$120 MFJ 8621 Data
> > radios.
>
> This is the first I heard of these radios... so I did a little looking through
> the mountain of Dayton literature, and there it was in glorious black and white.
>
> Also, I found that there is an APRS specific version out there.
>
> >From AES (www.aesham.com):

>
> MFJ 8621 MFJ VHF DATA RADIO/145.01 MHZ 119.950 109.950
> MFJ 8621X1 MFJ APRS READY VHF DATA/145.79 139.950 129.950
>
> Wish I had known about these; probably would have picked one up at Dayton. I
> could really use one for Field Day...
>

From kc5ejk@onramp.net Mon Jun 03 06:12:14 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id GAA20994 for <aprssig@tapr.org>; Mon, 3 Jun 1996
06:12:12 -0500 (CDT)
Received: from [199.1.11.120] (dal20.onramp.net [199.1.11.120]) by
mailhost.onramp.net (8.7.3/8.6.5) with SMTP id GAA19135 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 06:12:06 -0500 (CDT)
Message-Id: <v02130501add813c67f96@[199.1.11.112]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 3 Jun 1996 06:13:51 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: [APRSSIG:1516] DFjr

>doesn't have the correct RS232 levels of +12v to -12v, but rather 0 to 5v.

This is no big deal and is done a lot now days.

I think the original RS-232 spec was +15 and -15 but most computer
work with the 0 to 5v . Remember that some of the handheld GPS
units output 0 to +4 volts and this has worked for all TNC's and
most use this same GPS output voltage to work with their computers.

73

Bob - Dallas, TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From gerry@cs.tamu.edu Mon Jun 03 06:40:16 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id GAA21781 for <aprssig@tapr.org>; Mon, 3 Jun 1996
06:40:13 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id GAA03932 for <aprssig@tapr.org>; Mon, 3
Jun 1996 06:39:23 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id GAA07036 for
aprssig@tapr.org; Mon, 3 Jun 1996 06:38:52 -0500
Message-Id: <199606031138.GAA07036@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1531] Pac Comm-Trimble GPS Ant
To: aprssig@tapr.org
Date: Mon, 3 Jun 1996 06:38:52 -0500 (CDT)
In-Reply-To: <960603011425_548016831@emout12.mail.aol.com> from "BordingK@aol.com"

at Jun 3, 96 00:28:03 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

BordingK@aol.com sez:

>

> 1. I got the little \$50. Trimble Active GPS ant. sold by Pac Comm up and
> running with my trusty Magellan Trailblazer ths weekend. Works great, locks
> on in a fraction of the time of the Magellan OEM ant. Built-in mag mount on
> bottom. Good buy if you can overcome the SMB connector. Does anyone know if
> the enclosure is waterproof, water resistant or what?

Trimble designed 'em for vehicular use. Mine's been on the truck for months
and months with no degradation of services. I'd call it water-proof, but
never asked trimble. I'll try to do that today!

73, gerry
n5jxs@tamu.edu

From ko4tt@gulf.net Mon Jun 03 08:25:31 1996
Received: from pompano.pcola.gulf.net (root@pompano.pcola.gulf.net [198.69.72.14])
by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA25396 for <aprssig@tapr.org>; Mon,
3 Jun 1996 08:25:29 -0500 (CDT)
From: ko4tt@gulf.net
Received: from 198.69.72.107 (ppp107.pcola.gulf.net [198.69.72.107]) by
pompano.pcola.gulf.net (8.7.4/8.7.3) with SMTP id IAA24049 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 08:25:26 -0500 (CDT)
Date: Mon, 3 Jun 1996 08:25:26 -0500 (CDT)
Message-Id: <199606031325.IAA24049@pompano.pcola.gulf.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1488] Digi's
To: aprssig@tapr.org
In-Reply-To: <31B1A99C.241E@ix.netcom.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

There are many users in nw fl but we keep our paths to a minimum to reduce
congestion. The digi's path is wide, wide so that people can see them to use
them. There are 5 digi's between Mobile and Panama City. I we all digi'd through
them with a couple of extra wides, then none of us could talk.

73 steve ko4tt@gulf.net

From kc6hur@garc.gsfc.nasa.gov Mon Jun 03 08:37:27 1996
Received: from garc.gsfc.nasa.gov (kc6hur@garc.gsfc.nasa.gov [128.183.105.32]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA25860 for <aprssig@tapr.org>; Mon, 3
Jun 1996 08:37:25 -0500 (CDT)
Received: from localhost (kc6hur@localhost) by garc.gsfc.nasa.gov (8.6.11/8.6.9)
with SMTP id JAA01335 for <aprssig@tapr.org>; Mon, 3 Jun 1996 09:37:20 -0400
Date: Mon, 3 Jun 1996 09:37:17 -0400 (EDT)

From kc6hur@garc.gsfc.nasa.gov Mon Jun 03 08:47:32 1996
Received: from garc.gsfc.nasa.gov (kc6hur@garc.gsfc.nasa.gov [128.183.105.32]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA26050 for <aprssig@tapr.org>; Mon, 3 Jun 1996 08:47:29 -0500 (CDT)
Received: from localhost (kc6hur@localhost) by garc.gsfc.nasa.gov (8.6.11/8.6.9) with SMTP id JAA01344 for <aprssig@tapr.org>; Mon, 3 Jun 1996 09:47:10 -0400
Date: Mon, 3 Jun 1996 09:47:08 -0400 (EDT)
From: Randy Hammock <kc6hur@garc.gsfc.nasa.gov>
To: aprssig@tapr.org
Subject: Mission Planning S/W
Message-ID: <Pine.LNX.3.93.960603093736.1324B-100000@garc.gsfc.nasa.gov>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I know that Trimble has a software package that is used to predict PDOPs, satellite visibility and such before going out to do a survey. Does anyone know of such s/w being in the PD or shareware domain? I would nice to know things like satellite geometry and visibility before going out on a data gathering mission.

--

Randy Hammock KC6HUR | E-Mail: kc6hur@garc.gsfc.nasa.gov
8951 Tamar Drive, Apt 101 | Voice: +1-410-964-5503
Columbia, MD 21045 |

From wnolle@ix.netcom.com Mon Jun 03 08:51:01 1996
Received: from dfw-ix6.ix.netcom.com (dfw-ix6.ix.netcom.com [206.214.98.6]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA26329 for <aprssig@tapr.org>; Mon, 3 Jun 1996 08:50:59 -0500 (CDT)
Received: from LOCALNAME (hun-al1-01.ix.netcom.com [205.184.6.33]) by dfw-ix6.ix.netcom.com (8.6.13/8.6.12) with SMTP id GAA02878 for <aprssig@tapr.org>; Mon, 3 Jun 1996 06:50:26 -0700
Message-ID: <31B309AB.14EE@ix.netcom.com>
Date: Mon, 03 Jun 1996 08:50:03 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1536] Re: DFjr
References: <v02130501add813c67f96@[199.1.11.112]>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Robert Winingham wrote:

>
> >doesn't have the correct RS232 levels of +12v to -12v, but rather 0 to 5v.
> -----
>
> This is no big deal and is done a lot now days.
>
> I think the original RS-232 spec was +15 and -15 but most computer
> work with the 0 to 5v . Remember that some of the handheld GPS
> units output 0 to +4 volts and this has worked for all TNC's and

> most use this same GPS output voltage to work with their computers.
>
> 73
>
> Bob - Dallas, TX --- kc5ejk@onramp.net or kc5ejk@amsat.org -----
Thanks for the posting Bob, but that wasn't the case with my Magellan NAV5000DX, so don't be too hasty in saying this has worked with ALL TNC's because my Magellan never did work on a KPC3 even after many suggestions from people on the sig and also many calls to Kantronics and Magellan. I finally had to switch to another make of TNC and it worked just fine. By the way we also hooked the Magellan to a friend's KPC3 that normally runs a Magellan Meridian and it wouldn't work on his either!. Also on the same note I have not been able to get my NAV5000DX to work on Paccomm's single port switch even after their suggested fix by placing a resistor in the TNC. So this tells me there's something about my GPS receiver that's different than most GPS receivers used like the Garmin's etc.

Bill KE4EER
<http://www.netcom.com/~wnolle>

From rwf@mindspring.com Mon Jun 03 09:07:36 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA27272 for <aprssig@tapr.org>; Mon, 3 Jun 1996 09:07:34 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id KAA17007 for <aprssig@tapr.org>; Mon, 3 Jun 1996 10:07:27 -0400
Date: Mon, 3 Jun 1996 10:07:27 -0400
Message-Id: <2.2.16.19960603082911.2e1f2182@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSID:1508] MFJ Data Radio

If the receiver is this "good", I wonder if anyone has looked at its transmitter on a spectrum analyzer?

rwf

Now in South Florida, "where everyone is a wide" ;)

From rwf@mindspring.com Mon Jun 03 09:24:21 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA27903 for <aprssig@tapr.org>; Mon, 3 Jun 1996 09:24:18 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id KAA26866 for <aprssig@tapr.org>; Mon, 3 Jun 1996 10:24:10 -0400
Date: Mon, 3 Jun 1996 10:24:10 -0400

Message-Id: <2.2.16.19960603084554.2d7fb382@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:1535] Re: MFJ Data Radio

Hmm- I bought 3 Motorola Mitreks for 25.00 each at Dayton and 5 old GE MVPs for 100.00 at Shelby.

One of the Mitreks is now the N4NEQ-2 Digi (after 20.00 worth of crystals)
One MVP is now the N4NEQ-3 Digi (V e r y WIDE) (after 20.00 worth of crystals)
One MVP is working as my APRS station at home
One MVP is crystaled up as a spare
My GE Century II (20.00 at Dayton last year) is in the tracker at 35 watts

All this plus the extra radios left over for just about the cost of a drift-o-matic MFJ data radio with the APRS option.

Folks, investigate the commercial market. There are *many* radios out there that are very suitable and much more reliable than the Ham gear available.

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical
Advisor
rwf@mindspring.com or n4neq@amsat.org
Atlanta, GA USA
Web: <http://www.mindspring.com/~rwf> for APRS, ATV, Balloon, and
Ham info
My hobby is tracking Vehicles and other things using Ham Radio, GPS and
APRS. Ask me how!

From bruninga@nadm.navy.mil Mon Jun 03 09:59:34 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA29106 for <aprssig@tapr.org>; Mon, 3
Jun 1996 09:59:28 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
LAA15857; Mon, 3 Jun 1996 11:00:19 -0400
Date: Mon, 3 Jun 1996 11:00:19 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: APRS ACTIVITY LIST needed
In-Reply-To: <Pine.SUN.3.91.960602230849.17489D-1000000@ccnet3>
Message-ID: <Pine.SUN.3.91.960603101422.9906C-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Jun 1996, Bob Wilkins n6fri wrote:

> Wake Up Bob! Do you really want to trash the APRS use of (10151) every
> year (for FD)? It works today for unconnected use. Now you want to add
> connected message handling as well for testers? The folks out on
> the highways and coastal waters that are using HF APRS will (suffer..)

APRSdos REPLY COMMENT: I certainly would not invite anything other than
APRS packets on 10151. Connections, never. I was merely asking if APRS
contacts on 10151 could be counted. APRS was designed as a quick response
tactical comm system. I thought FD was a good demo of its potential...
Direct HF activity on 40 and 20 would certainly be preferred.

Maybe my antenna and I are not aware of all that is going on... What we
need is a central LOG of all special APRS activity posted once a week
here on the SIG, so that everyone has one reference source for activity.

Is there anyone that would like to volunteer to maintain this APRS
ACTIVITY LIST? That station would accept all inputs and post on the
SIG here once a week, a list of all known APRS HF mobile stations and their
expected frequencies and general area of operation. Also, major special
events would be listed. I would suggest the following format:

STATION	FREQ	START DATE	END DATE	COMMENTS
W7LUS-14	10151	continuous	continuous	18 Wheeler all over USA
KD9PJ	10151	?	?	Caribbean
AD4MR	10151	?	?	West Coast Mexico
Field Day	?	22 June	23 June	nationwide

Anyone anticipating travel could submit his info to the APRS ACTIVITY LIST
keeper. This way, we would have ONE resource for info, instead of everyone
having to DIG it out of the noise here on the SIG...

It should not become an EGO list, but a serious list of stations
depending on APRS for serious comm support.

Who can do this service for us?

de wb4apr@amsat.org

From northup@sw.stratus.com Mon Jun 03 10:03:46 1996

Received: from transfer.stratus.com (transfer.stratus.com [134.111.1.10]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA29507 for <aprssig@tapr.org>; Mon, 3
Jun 1996 10:03:42 -0500 (CDT)

Received: from lectroid.sw.stratus.com (lectroid.sw.stratus.com [134.111.10.1]) by
transfer.stratus.com (8.7.5/8.7.3) with ESMTP id LAA22422; Mon, 3 Jun 1996
11:02:05 -0400 (EDT)

Received: from blackdog.sw.stratus.com (blackdog.sw.stratus.com [134.111.10.76])
by lectroid.sw.stratus.com (8.6.11/8.6.11) with ESMTP id LAA04046; Mon, 3 Jun 1996
11:02:04 -0400

Received: (from northup@localhost) by blackdog.sw.stratus.com (8.6.9/8.6.9) id

LAA14701; Mon, 3 Jun 1996 11:02:03 -0400
From: Bill Northup <northup@sw.stratus.com>
Message-Id: <199606031502.LAA14701@blackdog.sw.stratus.com>
Subject: Re: [APRSSIG:1454] Re: aprs IN RHODE ISLAND
To: jaym1@soho.ios.com (Jay Millard)
Date: Mon, 3 Jun 1996 11:02:02 -0400 (EDT)
Cc: aprssig@tapr.org (APRS), northup@sw.stratus.com (Bill Northup)
In-Reply-To: <v01510100add610a11718@[206.20.7.33]> from "Jay Millard" at Jun 1, 96 11:25:05 am
X-Mailer: ELM [version 2.4 PL20]
Content-Type: text

>
> Bill, you wrote to the SIG:
>
> >I will be in Rhode Island this weekend and will have my APRS system with me.
> ..
> ..
> >
> > Bill
>
> As a 24 hour per day participant in APRS, I wondered if you were going to
> be transmitting on VHF or HF? I look forward to seeing your boat on the
> map! Cruise down the Sound for some clams, and save a lobster for me!
>
> 73 de Jay
>
> Jay Millard
> *Amateur Radio Station KD1LY*
> Darien, CT 06820
>
>
>

Well it is next week and I can report that APRS is alive and well in the Newport R.I. area. BUT it could use some help.

First I was located in Portsmouth R.I. (the other end of the island that Newprot is on) using a notebook computer and an HT @ 5 watts (I have a power budget). I have an antenna on the back rail and another on the mast head.

On Sat night I hooked things up and I could hear lots of people. I was seeing 4 stations on Cape Cod, most of the regular Boston area stations (even my home station) all of CT (including Jay - KD1LY), and Long Island. Oh yea there was one R.I. station (KA1RCI) as I expected. I was hearing 4 stations direct - two all of the time and two more once in a while. I could hear KA1RCI and WQ10-3 all the time. WQ10-3 is located at Woods Hole Ma. and I have never seen that station from home. It looks like he has an empty unproto path. In addition I could hear WA1LOU and W1GTT-15 on and off.

After I had things hooked up for a while I got mail from N1MIE-2 who I chatted with for a while. At 5 watts I was finding that I was having my packets

repeated only about 10% of the time. I also figured that I was just about making it into several stations because everytime I tried anything other than relay as the first hop things got worse. Then I hooked up a 30 watt amp that I had with me and the repeat rate went up to about 30%. Not great but enough to be heard (the boat was on my map at home when I got there).

On Sunday morning there was a little more noise and was no longer hearing anyone while using the masthead antenna. I listened to the audio for a while and there really were not any packets there.

All of this was the masthead antenna (48' up). I could not hear anything using the antenna on the rail. I tried that before using the masthead antenna which is for getting into repeaters back home.

RESULTS:

I think it would only take on reasonable station in Southern R.I. to really time things together in that area for marine mobile stations. Until then if you have a good high antenna you will be able to see activity with lots of missed and lost packets. So APRS is alive in Newport but does need so help. Now does anyone know a HAM in that area that can help get some more stations on the air in that area ??

Bill

--

Bill Northup, N1QPR EMAIL n1qpr@amsat.org
QRP-NE #307
NorCal #1027
QRP-L #356

From warren@uicc.com Mon Jun 03 10:04:00 1996
Received: from uicc.com (firewall.uicc.com [199.201.200.231]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA29506 for <aprssig@tapr.org>; Mon, 3 Jun 1996 10:03:42 -0500 (CDT)
Received: by firewall.uicc.com id <5432-2>; Mon, 3 Jun 1996 11:00:26 -0400
X-Authentication-Warning: diemos.uicc.com: Host localhost [127.0.0.1] didn't use HELO protocol
X-Mailer: exmh version 1.5.1 12/2/94
To: aprssig@tapr.org
cc: warren@nhEngMailHub.eng.uicc.com
Subject: Re: [APRSSIG:1536] Re: DFjr
In-reply-to: Your message of "Mon, 03 Jun 1996 07:29:51 EDT."
 <v02130501add813c67f96@[199.1.11.112]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 3 Jun 1996 11:02:54 -0400
From: Jack Warren <warren@uicc.com>
Message-Id: <96Jun3.110026edt.5432-2@firewall.uicc.com>

RS-232 voltage levels are equal to or greater than +/- 3V. That is, there's

a 6V "dead-band" centered about 0V. In that region, the output can be considered "don't know". The RX data load is somewhere around 3K Ohms. So, if your TX data line can supply enough current to pull a 3K resistor to 3V or more above ground, it will be considered a "1". The 1488/1489 line receivers and drivers MAY work with ground (0V) as a logical 0 and anything above 1 silicon Vbe (0.65V), but can't be guaranteed. If you want the line receiver to work ALL the time, try to stick to at least +/-3V and stay out of the dead-band.

Jack Warren
WB4MDC
FN42fv

>
> >doesn't have the correct RS232 levels of +12v to -12v, but rather 0 to 5v.
> -----
>
> This is no big deal and is done a lot now days.
>
> I think the original RS-232 spec was +15 and -15 but most computer
> work with the 0 to 5v . Remember that some of the handheld GPS
> units output 0 to +4 volts and this has worked for all TNC's and
> most use this same GPS output voltage to work with their computers.
>
> 73
>
> Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---
>
>

From bruninga@nadm.navy.mil Mon Jun 03 10:05:39 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA29569 for <aprssig@tapr.org>; Mon, 3
Jun 1996 10:05:35 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
LAA16307; Mon, 3 Jun 1996 11:06:28 -0400
Date: Mon, 3 Jun 1996 11:06:27 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1540] camaps06.zip
In-Reply-To: <2895@ko6xs.ampr.org>
Message-ID: <Pine.SUN.3.91.960603110558.9906E-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Jun 1996 ko6xs@ko6xs.ampr.org wrote:

> I just downloaded camaps06.zip from the California APRS internet site and
> tried to unzip the file. I got a whole series of error messages as follows:
> PKUNZIP:Warning! I don't know how to handle: (file name)

APRSDos REPLY COMMENT: Y0u were using an ancient copy of PKunzip. It

must be dated 1990 or later...

de wb4apr@amsat.org

From kc8ux@w8dc.ampr.org Mon Jun 03 10:33:22 1996
Received: from w8dc.ampr.org (w8dc.ampr.org [44.102.128.21]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA00717 for <aprssig@tapr.org>; Mon, 3 Jun 1996
10:33:17 -0500 (CDT)
From: kc8ux@w8dc.ampr.org
Date: Mon, 03 Jun 96 11:33:48 EDT
Message-Id: <119435@w8dc.ampr.org>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1531] Pac Comm-Trimble GPS Ant
In-Reply-To: your message of Mon Jun 03 00:26:53 1996
<960603011425_548016831@emout12.mail.aol.com>

>>>>1. I got the little \$50. Trimble Active GPS ant. sold by Pac Comm up and
running with my trusty Magellan Trailblazer ths weekend. Works great, locks
on in a fraction of the time of the Magellan OEM ant. Built-in mag mount on
bottom. Good buy if you can overcome the SMB connector. Does anyone know if
the enclosure is waterproof, water resistant or what?

I have had mine on my truck since Dayton in big ole rainstorms, both stationary
and driving, with no appearent problems. I hav
e to assume it's "proof", because it's brother (one with no mag mount, and a stud
for mounting I saw in a catalog) is meant for
perm mounting.

Ron - KC8UX

From schiers@ames.net Mon Jun 03 10:36:13 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA00868 for <aprssig@tapr.org>; Mon, 3 Jun 1996
10:36:11 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606031536.KAA00868@tapr.org>
Received: from [206.29.126.237] by ames.net id 548d0.wrk; Mon, 3 Jun 1996 10:36:28
-0600
Date: Mon, 03 Jun 96 10:20:14 -0600
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1499] APRS WX stuff
In-Reply-To: <701675@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

In <701675@bbs.ames.net>, on 06/02/96 at 11:49 AM,
aprssig@tapr.org said:

>I would be happy to change APRSdos to a RAIN-PER-DAY, and make it so that
>it would keep track even during a re-start, if that is what the WX guys
>think is best.

>SAME would go for the RAIN-PER-HOUR. Mine is a continuous sliding
>rain-per-last-60 minutes. It would be much easier to clear the count on

>the hour and only accumulate one value.

I will be meeting with people from the National Weather Service this week. They have a specific way of reporting rain, which I believe is for the 24 hour period ending at either 6 or 7 a.m. each day. I will ask them for the "proper" definition and get back to you.

>From my way of thinking, daily rain reporting should explicitly follow the NWS standard, and additionally, APRS should report rain in last hour, much like it does now. I am just sure that NWS does NOT use midnight, but will get back to you to confirm. I will also ask if they use a sliding 60 minute scale or if they use the last on the hour 60 minute period.

They just called me (NWS). Here is their "official" reporting standard:

1. For 24 hour period precip is reported at 1200 UTC...no change for daylight or standard, so the reporting period fluctuates 6:00 a.m winter, 7:00 a.m. summer (DST) here in Iowa.

2. For 60 minutes, it is ON THE HOUR.....no sliding. Hope this helps.

As a side note, I will be installing WinAPRS at the NWS site this Thursday. (They have 3 hams working there now.)

73,

hasan schiers, N0AN--

schiers@ames.net

From lmkeeran@rs6000.cmp.ilstu.edu Mon Jun 03 10:51:10 1996
Received: from aixa.nsys.ilstu.edu (root@aixa.nsys.ilstu.edu [138.87.7.200]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA01514 for <aprssig@tapr.org>; Mon, 3 Jun 1996 10:51:08 -0500 (CDT)
Received: from i0517009.adm.ilstu.edu by aixa.nsys.ilstu.edu (AIX 3.2/UCB 5.64/4.03)
id AA24683; Mon, 3 Jun 1996 10:48:49 -0500
Message-Id: <v02120d01add8b7d29455@[138.87.2.109]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 3 Jun 1996 10:51:04 -0500
To: aprssig@tapr.org
From: lmkeeran@rs6000.cmp.ilstu.edu (Larry Keeran)
Subject: Re: [APRSSIG:1540] camaps06.zip

When someone uploads files, they should upload a text file with the same filename but with a .txt extension explaining what it contains and how to extract it. Days become weeks and one forgets what is in it. Then, the "keeper of the runes" erases the file.

Digital Frequency Coordinator - Metropolitan Minneapolis/St. Paul area

From sproul@ap.org Mon Jun 03 11:15:18 1996
Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id LAA02548 for <aprssig@tapr.org>; Mon, 3 Jun 1996 11:15:15 -0500 (CDT)
Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4)
id MAA04325; Mon, 3 Jun 1996 12:11:45 -0400
X-Sender: sproul@165.1.6.1
Message-Id: <v03006f07add8c0aabe69@[165.1.27.20]>
In-Reply-To: <199606031536.KAA00868@tapr.org>
References: <701675@bbs.ames.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 3 Jun 1996 12:19:08 -0400
To: aprssig@tapr.org
From: Mark Sproul <sproul@ap.org>
Subject: Re: [APRSSIG:1550] Re: APRS WX stuff

>As a side note, I will be installing WinAPRS at the NWS site this
>Thursday. (They have 3 hams working there now.)
>
> 73,
>

I am working on a bunch of additions for WX for WinAPRS, I have added the
ability to display ONLY WX stations, I think this will be very usefull for
those watching WX information. There will be more to come in the future.

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

From jagrelo@cris.com Mon Jun 03 11:18:20 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id LAA02736 for <aprssig@tapr.org>; Mon, 3 Jun 1996
11:18:14 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/05/31 2.38))
id MAA18249; Mon, 3 Jun 1996 12:17:52 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059032.concentric.net [206.83.77.32])
by darius.cris.com (8.7.3)

id MAA18698; Mon, 3 Jun 1996 12:16:52 -0400 (EDT)
Message-ID: <31B33B3B.600@concentric.net>
Date: Mon, 03 Jun 1996 12:21:31 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1516] DFjr
References: <31B21706.6178@ix.netcom.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

William Nolle wrote:

>
> Are there any DFjr owners on the Sig?. my question is that i recived a
> warning from a DFjr owner that it will not talk to a computer to well (Or
> not at all). Now this has nothing to do with it not working with APRS at
> the present because i'm aware of that. The warning stated the DFjr
> doesn't have the correct RS232 levels of +12v to -12v, but rather 0 to5v.
> I know Joe doesn't like this type of message to be posted here, but i
> must know this type of info. I think Agrelo needs to put out some more
> information of this type, (If this is true!).
>
> Bill KE4EER
> <http://www.netcom.com/~wnolle>

Hi Bill and group,

I just went to the bench and tested one for myself to see if there is a problem.

This is not true, the DFjr works fine on all computers we tested,
including laptops. The DFjr uses a MAX232 chip and the levels
are -12 to +12v.

However, I would be most interested to know what other are finding as well.

Thanks

73 de Joe N200C

Joe Agrelo/N200C
Agrelo Engineering
Ph (518)381-1057
Fx (518)381-1058
E-mail- jagrelo@concentric.net
In the Web
<http://home.navisoft.com/agrelo/ae.htm>
Designer and Manufacturers of intelligent microprocessor based Doppler
and talking products
Experts in Microchip and Motorola processors
Cruise Missile Coordinates 42 47.427N, 073 56.525W

From jagrelo@cris.com Mon Jun 03 11:38:07 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA03772 for <aprssig@tapr.org>; Mon, 3 Jun 1996 11:38:01 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/05/31 2.38))
id MAA29818; Mon, 3 Jun 1996 12:37:58 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059032.concentric.net [206.83.77.32])
by darius.cris.com (8.7.3)
id MAA23492; Mon, 3 Jun 1996 12:37:09 -0400 (EDT)
Message-ID: <31B33FFC.747E@concentric.net>
Date: Mon, 03 Jun 1996 12:41:48 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: DFjr RS232 levels
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To the SIG,

The DFjr's RS232 voltage levels are -12 to +12, not 0 to +5.
Who ever measured 0 to +5, did you use a scope?
Please call me if you are having a problem.

Thank you.

73 de Joe N200C

Joe Agrelo/N200C

Agrelo Engineering
Ph (518)381-1057
Fx (518)381-1058
E-mail- jagrelo@concentric.net
In the Web

<http://home.navisoft.com/agrelo/ae.htm>

Designer and Manufacturers of intelligent microprocessor based Doppler
and talking products

Experts in Microchip and Motorola processors
Cruise Missile Coordinates 42 47.427N, 073 56.525W

From steve@eng.adaptec.com Mon Jun 03 11:59:14 1996
Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA05135 for <aprssig@tapr.org>; Mon, 3 Jun 1996 11:59:10 -0500 (CDT)
Received: from eng.adaptec.com by milpitas.adaptec.com (4.1/SMI-4.1)
id AA01725; Mon, 3 Jun 96 09:56:12 PDT

Received: from kona by eng.adaptec.com (4.1/SMI-4.1)
id AA05936; Mon, 3 Jun 96 10:00:49 PDT
Date: Mon, 3 Jun 96 10:00:49 PDT
From: steve@eng.adaptec.com (Steve Wilson x2388)
Message-Id: <9606031700.AA05936@eng.adaptec.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1551] Re: camaps06.zip

There is a README in the file that basically says....use
pkunzip -d to unpack. As others have found, it uses
a newer version of pkzip, so you may need version 2.x
to unzip this file.

Steve KA6S

From swick@x.org Mon Jun 03 11:59:28 1996
Received: from expo.x.org (expo.x.org [198.112.45.11]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id LAA05153 for <aprssig@tapr.org>; Mon, 3 Jun 1996
11:59:24 -0500 (CDT)
Received: from fedora.x.org by expo.x.org id AA20219; Mon, 3 Jun 96 12:58:28 -0400
Received: by fedora.x.org id AA23126; Mon, 3 Jun 1996 12:58:05 -0400
Message-Id: <9606031658.AA23126@fedora.x.org>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1550] Re: APRS WX stuff
In-Reply-To: Hasan Schier's message of "Mon, 03 Jun 1996 10:38:08 CDT."
<199606031536.KAA00868@tapr.org>
Date: Mon, 03 Jun 1996 12:58:05 EDT
From: "Ralph R. Swick" <swick@x.org>

hasan schiers, NOAN <schiers@ames.net> wrote:

> They just called me (NWS). Here is their "official" reporting standard:
>
>1. For 24 hour period precip is reported at 1200 UTC...no change for daylight
> or standard, so the reporting period fluctuates 6:00 a.m winter, 7:00 a.m.
> summer (DST) here in Iowa.
>
>2. For 60 minutes, it is ON THE HOUR.....no sliding. Hope this helps.

Clearly designed for reporting systems where the sampling interval is
much longer than APRS users are accustomed to!

So if the APRS format remains with a single figure, the useful thing
to do is to report the previous period's data until the end of the
current period, not to report the accumulator value during the current
period. This way the WX watchers have several chances to capture the
data off the air before it is replaced with fresh data.

It would be nice to see both figures reported; the previous period
and the current period accumulator. Makes effective use of the higher
sampling rate available via APRS.

-Ralph kd1sm

From schiers@ames.net Mon Jun 03 12:13:00 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id MAA05709 for <aprssig@tapr.org>; Mon, 3 Jun 1996
12:12:57 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606031712.MAA05709@tapr.org>
Received: from [206.29.126.237] by ames.net id 61a90.wrk; Mon, 3 Jun 1996 12:13:18
-0600
Date: Mon, 03 Jun 96 12:11:56 -0600
To: aprssig@tapr.org
Subject: TAPR TNC2 1.8a firmware/gps?
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

Does the tapr firmware version 1.8a support stand alone gps operation with
a tnc? I have a garmin 45 and a tnc2 that will accept the tapr
eprom...thought I saw some announcement of this from TAPR, but I have been
all over the tapr site and can't find any verification that there is a
tnc2 prom that supports stand alone gps operation. tn timer 73,

hasan schiers, NOAN--

schiers@ames.net

From jagrelo@cris.com Mon Jun 03 12:23:50 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id MAA06218 for <aprssig@tapr.org>; Mon, 3 Jun 1996
12:23:39 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/05/31 2.38))
id NAA19358; Mon, 3 Jun 1996 13:22:56 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059032.concentric.net [206.83.77.32])
by darius.cris.com (8.7.3)
id NAA03644; Mon, 3 Jun 1996 13:22:00 -0400 (EDT)
Message-ID: <31B34A80.4452@concentric.net>
Date: Mon, 03 Jun 1996 13:26:40 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1529] Re: DFjr
References: <Pine.SUN.3.91.960602233841.17811E-100000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>

> On Sun, 2 Jun 1996, William Nolle wrote:

>

> > the present because i'm aware of that. The warning stated the DFjr
> > doesn't have the correct RS232 levels of +12v to -12v, but rather 0 to 5v.
>
> APRSdos REPLY COMMENT: Thats no different than MOST GPS's which also
> only have 0 and +5. Its nothing to panic about. Can be solved with just
> a resistor to -v if it is a problem for your particular PC.
>
> de wb4apr@amsat.org

The DFjr works fine on all computers we tested,
including laptops. The DFjr uses a MAX232 chip and the levels
are -12 to +12v, not 0 to +5v.

73 de Joe N200C

Joe Agrelo/N200C
Agrelo Engineering
Ph (518)381-1057
Fx (518)381-1058
E-mail- jagrelo@concentric.net
In the Web
<http://home.navisoft.com/agrelo/ae.htm>
Designer and Manufacturers of intelligent microprocessor based Doppler
and talking products
Experts in Microchip and Motorola processors
Cruise Missile Coordinates 42 47.427N, 073 56.525W

From Paul_Moller@csg.mot.com Mon Jun 03 13:03:25 1996
Received: from motgate2.mot.com (motgate2.mot.com [129.188.136.20]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id NAA07902 for <aprssig@tapr.org>; Mon, 3 Jun 1996
13:03:18 -0500 (CDT)
Received: from pobox.mot.com (pobox.mot.com [129.188.137.100]) by motgate2.mot.com
(8.7.3/8.6.10/MOT-3.8) with ESMTP id SAA12995 for <aprssig@tapr.org>; Mon, 3 Jun
1996 18:00:55 GMT
Received: from OAMPC10.csg.mot.com (OAMPC10.csg.mot.com [144.188.134.33]) by
pobox.mot.com (8.7.3/8.6.10/MOT-3.8) with SMTP id NAA22182 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 13:02:36 -0500 (CDT)
Received: from PaulM_PC.csg.mot.com (PaulM_PC.csg.mot.com [144.188.36.8]) by
OAMPC10.csg.mot.com (8.6.8.1/8.6.6) with SMTP id NAA10796 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 13:12:55 -0500
Message-Id: <2.2.32.19960603180325.0072d6d4@144.188.134.33>
X-Sender: mollpj@144.188.134.33
Return-Receipt-To: Paul_Moller@csg.mot.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 03 Jun 1996 13:03:25 -0500
To: aprssig@tapr.org
From: Paul Moller <Paul_Moller@csg.mot.com>
Subject: Re: [APRSSIG:1549] Re: Pac Comm-Trimble GPS Ant

There may be more to the story than just weather proof. I have not opened up

my \$50 ever so small Trimble antenna, but from playing with it it looks and behaves like a loaded patch antenna. In fact, I noticed that its apparent gain drops off substantially when not on the roof of my car. This leads to the (un-documented) conclusion that the metal sheet below the antennas magnet is needed to form the bottom half of the patch.

In other words, beware that it may not work well at all if used on surfaces other than metal surfaces, ie: fiberglass. I would be interested in hearing from anyone who has opened one up to confirm or deny this statement!

At 10:37 AM 6/3/96 -0500, you wrote:

>>>>>1. I got the little \$50. Trimble Active GPS ant. sold by Pac Comm up and >running with my trusty Magellan Trailblazer ths weekend. Works great, locks >on in a fraction of the time of the Magellan OEM ant. Built-in mag mount on >bottom. Good buy if you can overcome the SMB connector. Does anyone know if >the enclosure is waterproof, water resistant or what?

>

Paul, WD9ABE

From steview@eng.adaptec.com Mon Jun 03 13:12:24 1996

Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA08267 for <aprssig@tapr.org>; Mon, 3 Jun 1996 13:12:20 -0500 (CDT)

Received: from eng.adaptec.com by milpitas.adaptec.com (4.1/SMI-4.1)

id AA05253; Mon, 3 Jun 96 11:01:33 PDT

Received: from kona by eng.adaptec.com (4.1/SMI-4.1)

id AA07341; Mon, 3 Jun 96 11:06:10 PDT

Date: Mon, 3 Jun 96 11:06:10 PDT

From: steview@eng.adaptec.com (Steve Wilson x2388)

Message-Id: <9606031806.AA07341@eng.adaptec.com>

To: aprssig@tapr.org

> From aprssig@tapr.org Mon Jun 3 10:58:47 1996

> Date: Mon, 3 Jun 1996 09:48:33 -0500 (CDT)

> Reply-To: aprssig@tapr.org

> Originator: aprssig@tapr.org

> Sender: aprssig@tapr.org

> From: rwf <rwf@mindspring.com>

> To: aprssig@tapr.org

> Subject: [APRSSIG:1543] Re: MFJ Data Radio

> X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas

> X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group

> Content-Type: > text/plain> ; > charset="us-ascii">

> X-Mailer: Windows Eudora Pro Version 2.2 (16)

> Content-Length: 168

>

> If the receiver is this "good", I wonder if anyone has looked at its

> transmitter on a spectrum analyzer?

>

> rwf

>

> Now in South Florida, "where everyone is a wide" ;)

Yep, and we played with the adjustments to make it "legal" after we changed the xtals. It WAS possible to alter the filtering via the slug tuned inductors to get it within legal spec. We measured about .5uV sensitivity for the two radios we've got. We also see a pretty large distortion on the received waveform.

The radios DO key up within spec, like 1 to 2ms! They must certainly be the quickest radios in town that way....we're looking at some possible mods to correct the sensitivity problems and waveform distortion. If these turn out to be useful, we'll publish em.

Steve KA6S

From lmkeeran@rs6000.cmp.ilstu.edu Mon Jun 03 13:41:37 1996
Received: from aixa.nsys.ilstu.edu (root@aixa.nsys.ilstu.edu [138.87.7.200]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA09528 for <aprssig@tapr.org>; Mon, 3 Jun 1996 13:41:33 -0500 (CDT)
Received: from i0517009.adm.ilstu.edu by aixa.nsys.ilstu.edu (AIX 3.2/UCB 5.64/4.03)
id AA28915; Mon, 3 Jun 1996 13:39:11 -0500
Message-Id: <v02120d06add8deaeb586@[138.87.2.109]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 3 Jun 1996 13:41:26 -0500
To: aprssig@tapr.org
From: lmkeeran@rs6000.cmp.ilstu.edu (Larry Keeran)
Subject: Re: [APRSSIG:1556] Re: camaps06.zip

Partially good Steve. Two reasons why it should be separate are:

- 1 -

User has to know "...

>There is a README in the file that basically says....use
>pkunzip -d to unpack."

(readme in the zip file that says how to unzip?)

-2-

Multi-platform machines can't unzip the file ... first. They have to be able to visually tell what is in the file. Try to put two files on the upload area. Example for DOS/WIN files: (One with filename.xxx and one with filename.txt) The WWW format in the near future will *require* a description along side of the file name. The WWW user will read the description and click on the filename.xxx Please help the TAPR guys out by providing this information now so the transition to the HTML format will be smooth. This is true of any platform.

>There is a README in the file that basically says....use
>pkunzip -d to unpack. As others have found, it uses
>a newer version of pkzip, so you may need version 2.x
>to unzip this file.
>

14:45:39 -0500

Received: by ernest.itg.ti.com (Smail3.1.28.1 #4)

id m0uQfYX-00008hC; Mon, 3 Jun 96 14:44 CDT

Message-Id: <m0uQfYX-00008hC@ernest.itg.ti.com>

From: alan@ernest.itg.ti.com (Alan Edmonds)

Subject: Re: [APRSSIG:1560] Re: Pac Comm-Trimble GPS Ant

To: aprssig@tapr.org

Date: Mon, 3 Jun 1996 14:44:48 -0500 (CDT)

In-Reply-To: <2.2.32.19960603180325.0072d6d4@144.188.134.33> from "Paul Moller" at Jun 3, 96 01:17:25 pm

Organization: Texas Instruments, Inc. Plano TX

X-Mailer: ELM [version 2.4 PL21]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

> Paul, WD9ABE, wrote:

> There may be more to the story than just weather proof. I have not opened up
> my \$50 ever so small Trimble antenna, but from playing with it it looks and
> behaves like a loaded patch antenna. In fact, I noticed that its apparent
> gain drops off substantially when not on the roof of my car. This leads to
> the (un-documented) conclusion that the metal sheet below the antennas magnet
> is needed to form the bottom half of the patch.

Interesting. I normally have mine on my S-10 pickup truck roof. I recently moved it to a friend's Suburban and the signal levels seemed a lot higher. I usually have a couple of sats maxed out, but on the suburban, all seen sats were maxed out. So, there might be something to your un-documented research.

--

Alan Edmonds, KB5ZUY

System Administrator, Composer Development

Phone: +1-214-575-6427

Email: Alan.Edmonds@ti.com

Texas Instruments, Inc.

M/S 8515

6620 Chase Oaks Blvd.

Plano, TX, USA 75023

From schiers@ames.net Mon Jun 03 14:54:14 1996

Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org

(8.7.5/8.7.3/1.9) with SMTP id OAA12815 for <aprssig@tapr.org>; Mon, 3 Jun 1996 14:54:09 -0500 (CDT)

From: schiers@ames.net

Message-Id: <199606031954.OAA12815@tapr.org>

Received: from [206.29.126.237] by ames.net id 76d30.wrk; Mon, 3 Jun 1996 14:54:38 -0600

Date: Mon, 03 Jun 96 14:51:04 -0600

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1557] Re: APRS WX stuff

In-Reply-To: <702426@bbs.ames.net>

X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

In <702426@bbs.ames.net>, on 06/03/96 at 02:26 PM,

aprssig@tapr.org said:

> hasan schiers, NOAN <schiers@ames.net> wrote:

>> They just called me (NWS). Here is their "official" reporting standard:
>>

>>1. For 24 hour period precip is reported at 1200 UTC...no change for day1
>> or standard, so the reporting period fluctuates 6:00 a.m winter, 7:00
>> summer (DST) here in Iowa.

>>

>>2. For 60 minutes, it is ON THE HOUR.....no sliding. Hope this helps.

>Clearly designed for reporting systems where the sampling interval is
>much longer than APRS users are accustomed to!

>So if the APRS format remains with a single figure, the useful thing to
>do is to report the previous period's data until the end of the current
>period, not to report the accumulator value during the current period.
>This way the WX watchers have several chances to capture the data off the
>air before it is replaced with fresh data.

>It would be nice to see both figures reported; the previous period and
>the current period accumulator. Makes effective use of the higher
>sampling rate available via APRS.

>-Ralph kd1sm

I'm confused...APRS doesn't use a single figure, and I didn't think the
discussion was of dropping one or the other, but rather how to properly
DEFINE the periods of interest.

e.g. Rain and Precip are reported in APRS. Rain is in the last hour,
precip in the last day. All that needs to happen is to define the day as
beginning and ending at 1200 utc, for the latter and using a cardinal hour
for the rain instead of a sliding 60 minute period. This seems to meet
both criteria: ease of programming and agreement with NWS.

If that really is the question, then I would
like APRS to stick to NWS definitions, so we can compare what is reported
by the NWS to our own experience. 73,

hasan schiers, NOAN--

schiers@ames.net

From rtucker@moocow1.ttgciitn.com Mon Jun 03 15:06:50 1996

Received: from insosf1.netins.net (ttgciitn@insosf1.netins.net [167.142.225.5]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA13670 for <aprssig@tapr.org>; Mon, 3
Jun 1996 15:06:33 -0500 (CDT)

Received: (from ttgciitn@localhost) by insosf1.netins.net id PAA30844 for
aprssig@tapr.org; Mon, 3 Jun 1996 15:06:28 -0500 (CDT)

X-Authentication-Warning: insosf1.netins.net: ttgciitn set sender to
rtucker@moocow1.ttgciitn.com using -f
Received: from moocow1.ttgciitn.com (moocow1.ttgciitn.com [10.42.1.3]) by
crasher2.ttgciitn.com (8.7.5/960507.rtucker) with SMTP id PAA31800 for
<aprssig@tapr.org>; Mon, 3 Jun 1996 15:03:24 -0500
Date: Mon, 3 Jun 1996 15:03:24 -0500
Message-Id: <199606032003.PAA31800@crasher2.ttgciitn.com>
X-Sender: rtucker@crasher2
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ryan Tucker <rtucker@moocow1.ttgciitn.com>
Subject: Re: [APRSSIG:1550] Re: APRS WX stuff

At 10:38 AM 6/3/96 -0500, you wrote:

>As a side note, I will be installing WinAPRS at the NWS site this
>Thursday. (They have 3 hams working there now.)

The Johnston NWS office? Cool :-)

73 de N0PBS (who needs a vacation to work on this stuff)

From wnolle@ix.netcom.com Mon Jun 03 15:18:13 1996
Received: from dfw-ix11.ix.netcom.com (dfw-ix11.ix.netcom.com [206.214.98.11]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA13996 for <aprssig@tapr.org>; Mon, 3
Jun 1996 15:18:10 -0500 (CDT)
Received: from LOCALNAME (hun-a11-15.ix.netcom.com [205.184.6.47]) by dfw-
ix11.ix.netcom.com (8.6.13/8.6.12) with SMTP id NAA01419 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 13:17:35 -0700
Message-ID: <31B36460.446E@ix.netcom.com>
Date: Mon, 03 Jun 1996 15:17:04 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1555] DFjr RS232 levels
References: <31B33FFC.747E@concentric.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joseph Agrelo wrote:

>
> To the SIG,
>
> The DFjr's RS232 voltage levels are -12 to +12, not 0 to +5.
> Who ever measured 0 to +5, did you use a scope?
> Please call me if you are having a problem.
>
> Thank you.
>
> 73 de Joe N200C
> -----

Joe Agrelo/N200C

> Agrelo Engineering
> Ph (518)381-1057
> Fx (518)381-1058
> E-mail- jagrelo@concentric.net
> In the Web
> <http://home.navisoft.com/agrelo/ae.htm>
> Designer and Manufacturers of intelligent microprocessor based Doppler
> and talking products
> Experts in Microchip and Motorola processors
> Cruise Missile Coordinates 42 47.427N, 073 56.525W
> -----Thanks
for both the personal and the sig reply Joe. Glad you set the record
straight. I will dig up the persons message to me and tell him to get in
contact with you if he's still having the problem. I didn't want to post his
call or e-mail address without him knowing about it. And i also want
everyone to know that i also asked about Agrelo's return policy, and it's a
full refund for 30 days, GOOD ENOUGH FOR ME JOE AND THANKS.
Bill KE4EER
<http://www.netcom.com/~wnolle>

From kinahan@cassatt.Mass-USR.COM Mon Jun 03 17:04:57 1996
Received: from perseus.ultra.net (perseus.ultra.net [199.232.56.6]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id RAA19855 for <aprssig@tapr.org>; Mon, 3 Jun 1996
17:04:51 -0500 (CDT)
Received: from cassatt.Mass-USR.COM (cassatt.mass-usr.com [204.249.182.199]) by
perseus.ultra.net (8.7.4/dae0.6) with SMTP id SAA07030 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 18:04:13 -0400 (EDT)
Received: from marconi.mass-usr.com by cassatt.Mass-USR.COM (5.x/SMI-SVR4)
id AA05050; Mon, 3 Jun 1996 18:04:11 -0400
Message-Id: <2.2.32.19960603220411.00680bdc@cassatt>
X-Sender: kinahan@cassatt
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 03 Jun 1996 18:04:11 -0400
To: aprssig@tapr.org
From: Tom Kinahan <kinahan@cassatt.Mass-USR.COM>
Subject: FD and Trimble Antennas (Unrelated)

Howdy All!

I've had my Trimble GPS antenna on the roof of my 1993 Ford
Explorer for exactly one year now since I've bought it from Paccom with my
Tiny-2/GPS unit. Been through all sorts of New England Weather, works fine!

FD and APRS: I brought APRS to our field day operation as a demonstration
for the group last year and it was quite a hit! We were visited by the
local Fire and Police officials and they liked it too! We didn't take FD
contact points from it, since it was 30m and 2m. Also, the 20m Phone and CW
operations are not likely to like the desense they get from a 20m APRS
setup, and they are much more likely to make more contacts.

I say, everybody bring APRS to your Field Day operation, demonstrate it to everyone, but don't use it for contact points, there are more efficient methods of that. If you're going to use APRS in an emergency operation, you aren't going to make one line messages the primary use. You are going to observe distant weather, track mobile units and storms, DF a station, play chess!

You're not going to use it as your primary text transmission means.

Have fun, make FD an international APRS Activity weekend on bands not involved in FD points.

73,

- Tom Kinahan N1CPE

Tom Kinahan Phone: 508-898-2600x305
US Robotics Fax: 508-366-3626
Massachusetts R&D Lab Email: kinahan@mass-usr.com
4 Technology Drive Amateur Radio: N1CPE
Westboro, Ma. 01581

From Jon.T.Adams@jpl.nasa.gov Mon Jun 03 17:05:03 1996
Received: from alcina.jpl.nasa.gov (alcina.jpl.nasa.gov [137.78.72.152]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA19873 for <aprssig@tapr.org>; Mon, 3
Jun 1996 17:05:01 -0500 (CDT)
X400-Received: by /c=us/admd=telemail/prmd=nasa/; converted (IA5-Text);
Relayed; 03 Jun 1996 15:01:31 -0700
X400-Received: by mta Proteus in /c=us/admd=telemail/prmd=nasa/; converted (
IA5-Text); Relayed; 03 Jun 1996 15:01:31 -0700
X400-MTS-Identifier: [/c=us/admd=telemail/prmd=nasa/; 035ED31B360BB84B-Proteus]
Content-Identifier: 035ED31B360BB84B
Content-Return: Allowed
X400-Content-Type: P2-1988 (22)
Conversion: Allowed
Original-Encoded-Information-Types: IA5-Text
Priority: normal
Disclose-Recipients: Prohibited
Alternate-Recipient: Allowed
X400-Originator: Jon.T.Adams@jpl.nasa.gov
X400-Recipients: non-disclosure;
Message-Id:
 <035ED31B360BB84B*/c=us/admd=telemail/prmd=nasa/o=jpl/ou=ccmail/s=Adams/g=Jon/
i=T/@MHS>
Date: 03 Jun 1996 15:01:31 -0700
From: "Jon T Adams" <Jon.T.Adams@jpl.nasa.gov>
To: "aprssig@tapr.org" <aprssig@tapr.org> (Return requested),
 "alan@ernest.itg.ti.com" <alan@ernest.itg.ti.com> (Return requested)

Subject: Re: [APRSSIG:1564] Re: Pac Comm-Trimble GPS Ant
MIME-Version: 1.0

Alan wrote:

> Paul, WD9ABE, wrote:
> There may be more to the story than just weather proof. I have not opened up
> my \$50 ever so small Trimble antenna, but from playing with it it looks and
> behaves like a loaded patch antenna. In fact, I noticed that its apparent
> gain drops off substantially when not on the roof of my car. This leads to
> the (un-documented) conclusion that the metal sheet below the antennas magnet
> is needed to form the bottom half of the patch.

Interesting. I normally have mine on my S-10 pickup truck roof. I recently moved it to a friend's Suburban and the signal levels seemed a lot higher.

Well, the roof of the Suburban's nearly a foot closer to the satellites! That should explain part of it right there!

73 - Jon NW6H (a proud Suburban owner)

From Jon.T.Adams@jpl.nasa.gov Mon Jun 03 17:12:46 1996
Received: from alcina.jpl.nasa.gov (alcina.jpl.nasa.gov [137.78.72.152]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA19914 for <aprssig@tapr.org>; Mon, 3 Jun 1996 17:12:43 -0500 (CDT)
X400-Received: by /c=us/admd=telemail/prmd=nasa/; converted (IA5-Text);
Relayed; 03 Jun 1996 15:09:57 -0700
X400-Received: by mta Proteus in /c=us/admd=telemail/prmd=nasa/; converted (IA5-Text); Relayed; 03 Jun 1996 15:09:57 -0700
X400-MTS-Identifier: [/c=us/admd=telemail/prmd=nasa/; 032BD31B362B548D-Proteus]
Content-Identifier: 032BD31B362B548D
Content-Return: Allowed
X400-Content-Type: P2-1988 (22)
Conversion: Allowed
Original-Encoded-Information-Types: IA5-Text
Priority: normal
Disclose-Recipients: Prohibited
Alternate-Recipient: Allowed
X400-Originator: Jon.T.Adams@jpl.nasa.gov
X400-Recipients: non-disclosure;
Message-Id:
<032BD31B362B548D*c=us/admd=telemail/prmd=nasa/o=jpl/ou=ccmail/s=Adams/g=Jon/i=T/@MHS>
Date: 03 Jun 1996 15:09:57 -0700
From: "Jon T Adams" <Jon.T.Adams@jpl.nasa.gov>
To: "aprssig@tapr.org" <aprssig@tapr.org> (Return requested),
"schiers@ames.net" <schiers@ames.net> (Return requested)
Subject: Re: [APRSSIG:1565] Re: APRS WX stuff
MIME-Version: 1.0

Absolutely - if we want to imagine that our data will have utility to services outside our own we should stick to standard formats where possible. Especially when it's straightforward to do so.

73 - Jon NW6H

----- Reply Separator -----

Subject: [APRSSIG:1565] Re: APRS WX stuff
Author: schiers@ames.net at Internet
Date: 6/3/96 1:19 PM

In <702426@bbs.ames.net>, on 06/03/96 at 02:26 PM,
aprssig@tapr.org said:

> hasan schiers, NOAN <schiers@ames.net> wrote:

>> They just called me (NWS). Here is their "official" reporting standard:

>>

>>1. For 24 hour period precip is reported at 1200 UTC...no change for day1
>> or standard, so the reporting period fluctuates 6:00 a.m winter, 7:00
>> summer (DST) here in Iowa.

>>

>>2. For 60 minutes, it is ON THE HOUR.....no sliding. Hope this helps.

>Clearly designed for reporting systems where the sampling interval is
>much longer than APRS users are accustomed to!

>So if the APRS format remains with a single figure, the useful thing to
>do is to report the previous period's data until the end of the current
>period, not to report the accumulator value during the current period.
>This way the WX watchers have several chances to capture the data off the
>air before it is replaced with fresh data.

>It would be nice to see both figures reported; the previous period and
>the current period accumulator. Makes effective use of the higher
>sampling rate available via APRS.

>-Ralph kd1sm

I'm confused...APRS doesn't use a single figure, and I didn't think the discussion was of dropping one or the other, but rather how to properly DEFINE the periods of interest.

e.g. Rain and Precip are reported in APRS. Rain is in the last hour, precip in the last day. All that needs to happen is to define the day as beginning and ending at 1200 utc, for the latter and using a cardinal hour for the rain instead of a sliding 60 minute period. This seems to meet both criteria: ease of programming and agreement with NWS.

If that really is the question, then I would

like APRS to stick to NWS definitions, so we can compare what is reported by the NWS to our own experience. 73,

hasan schiers, NOAN--

schiers@ames.net

From Jon.T.Adams@jpl.nasa.gov Mon Jun 03 17:19:11 1996
Received: from alcina.jpl.nasa.gov (alcina.jpl.nasa.gov [137.78.72.152]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA20303 for <aprssig@tapr.org>; Mon, 3 Jun 1996 17:19:08 -0500 (CDT)
X400-Received: by /c=us/admd=telemail/prmd=nasa/; converted (IA5-Text);
Relayed; 03 Jun 1996 15:18:05 -0700
X400-Received: by mta Proteus in /c=us/admd=telemail/prmd=nasa/; converted (IA5-Text); Relayed; 03 Jun 1996 15:18:05 -0700
X400-MTS-Identifier: [/c=us/admd=telemail/prmd=nasa/; 032BD31B3649D51C-Proteus]
Content-Idenfier: 032BD31B3649D51C
Content-Return: Allowed
X400-Content-Type: P2-1988 (22)
Conversion: Allowed
Original-Encoded-Information-Types: IA5-Text
Priority: normal
Disclose-Recipients: Prohibited
Alternate-Recipient: Allowed
X400-Originator: Jon.T.Adams@jpl.nasa.gov
X400-Recipients: non-disclosure;
Message-Id:
<032BD31B3649D51C*/c=us/admd=telemail/prmd=nasa/o=jpl/ou=ccmail/s=Adams/g=Jon/i=T/@MHS>
Date: 03 Jun 1996 15:18:05 -0700
From: "Jon T Adams" <Jon.T.Adams@jpl.nasa.gov>
To: "aprssig@tapr.org" <aprssig@tapr.org> (Return requested),
"z004391b@bcfreenet.seflin.lib.fl.us"
<z004391b@bcfreenet.seflin.lib.fl.us> (Return requested)
Subject: Re: [APRSSIG:1498] Re: FIELD DAY! APRS style
MIME-Version: 1.0

The only one-way that is valid for points is copying the fd bulletin. Getting an "ACK" back from a connected station that includes the FD info in the connect text is right on the edge ethically, as far as I'm concerned. But, if you spend FD in places (like I do) where there's no packet, then talking to ANYTHING counts...%^)

73 - Jon NW6H

----- Reply Separator -----
Subject: [APRSSIG:1498] Re: FIELD DAY! APRS style
Author: z004391b@bcfreenet.seflin.lib.fl.us at Internet

Date: 6/3/96 8:32 AM

I may be wrong (probably am) but I thought that only two-way qso's and not one way 'beacons' were allowed for point getters on field day.
73,

John W. Wilson
z004391b@bcfreenet.seflin.lib.fl.us

On Sat, 1 Jun 1996, Bob Bruninga wrote:

> Take your computer out to field day and count every station on the map as
> a DIGITAL contact worth 2 points! Also, APRS Looks REAL impressive at
> NIGHT. DOn't bother until dusk, hi hi (or find a real shady place)/...

From quarry@q.continuum.net Mon Jun 03 17:20:30 1996
Received: from mailhost2.cac.washington.edu (mailhost2.cac.washington.edu [140.142.33.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA20329 for <aprssig@tapr.org>; Mon, 3 Jun 1996 17:20:28 -0500 (CDT)
Received: from q.continuum.net by mailhost2.cac.washington.edu (5.65+UW96.04/UW-NDC Revision: 2.33) id AA11170;
Mon, 3 Jun 96 15:20:24 -0700
Date: Mon, 3 Jun 1996 18:26:00 -0400 (EDT)
From: Chip <quarry@q.continuum.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1553] Re: APRS WX stuff
In-Reply-To: <v03006f07add8c0aabe69@[165.1.27.20]>
Message-Id: <Pine.BSF.3.91.960603182424.11796B-100000@q.continuum.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Jun 1996, Mark Sproul wrote:

> I am working on a bunch of additions for WX for WinAPRS, I have added the
> ability to display ONLY WX stations, I think this will be very usefull for
> those watching WX information. There will be more to come in the future.

Perhaps a more general filtering ability would be useful. If one could set the filter to only display station types selected in a window, that would be nice. Another example of a use would be during a special event where you might only want the stations active in the event (hence the filter) vice the usually array of clutter.

Just an idea...

Chip Griffin - SysOp of the Quarry (203-889-6427)
President of Thames River Apple Users Group
- quarry@q.continuum.net
- griffge@gwsmtplib.nu.com

<http://q.continuum.net/~quarry/>

From ku0g@sprynet.com Mon Jun 03 17:25:18 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA20436 for <aprssig@tapr.org>; Mon, 3 Jun 1996
17:25:12 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.145.115] (dd03-115.compuserve.com [199.174.145.115]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id PAA11907 for <aprssig@tapr.org>; Mon,
3 Jun 1996 15:23:13 -0700
Date: Mon, 3 Jun 1996 15:23:13 -0700
Message-Id: <199606032223.PAA11907@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1550] Re: APRS WX stuff
To: aprssig@tapr.org
In-Reply-To: <199606031536.KAA00868@tapr.org>
X-Mailer: SPRY Mail Version: 04.00.06.21

Great News on the DSM NWS station coming up on line!!! Good information for me
to pass along to the boys down at Pleasant Hill!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From gerry@cs.tamu.edu Mon Jun 03 17:33:09 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA20616 for <aprssig@tapr.org>; Mon, 3 Jun 1996
17:33:05 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id RAA22822 for <aprssig@tapr.org>; Mon, 3
Jun 1996 17:32:17 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id RAA15115 for
aprssig@tapr.org; Mon, 3 Jun 1996 17:31:42 -0500
Message-Id: <199606032231.RAA15115@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1541] Mission Planning S/W
To: aprssig@tapr.org
Date: Mon, 3 Jun 1996 17:31:42 -0500 (CDT)
In-Reply-To: <Pine.LNX.3.93.960603093736.1324B-100000@garc.gsfc.nasa.gov> from
"Randy Hammock" at Jun 3, 96 09:02:39 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Go snag one of the various sat tracking programs and then get keps for the
birds from www.afit.mil.

I'll try to look for planning s/w later on.

Gerry

From gerry@cs.tamu.edu Mon Jun 03 17:40:42 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA21023 for <aprssig@tapr.org>; Mon, 3 Jun 1996 17:40:41 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id RAA22958 for <aprssig@tapr.org>; Mon, 3 Jun 1996 17:39:52 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id RAA15215 for aprssig@tapr.org; Mon, 3 Jun 1996 17:39:18 -0500
Message-Id: <199606032239.RAA15215@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1563] Re: MFJ Data Radio
To: aprssig@tapr.org
Date: Mon, 3 Jun 1996 17:39:18 -0500 (CDT)
In-Reply-To: <31B3336E.966078C@codger.physics.duq.edu> from "Paul Christenson" at Jun 3, 96 02:00:14 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

For the MAXAR manuals: Get with your local 2-way shop and ask them (nicely) for the number to Motorola's Parts ID line. Parts ID can get you the part number for the appropriate manual and then help you order it. Cost should be <\$10.

73, gerry
n5jxs@tamu.edu

From n9flx@indygate.kb9law.ampr.org Mon Jun 03 18:13:14 1996
Received: from IndyGate.ampr.org (indygate.kb9law.ampr.org [44.48.70.241]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA22391 for <aprssig@tapr.org>; Mon, 3 Jun 1996 18:13:10 -0500 (CDT)
Date: Mon, 03 Jun 96 18:02:31 est
Message-Id: <27363@IndyGate.ampr.org>
From: n9flx@indygate.kb9law.ampr.org
To: aprssig@tapr.org
Subject: TORCH
X-BBS-Msg-Type: P

TORCH CARAVAN REACHED HAMMOND, IN. (lag: 4136.21N log: 08727.78W)
AT 18:00EST LOCAL ACCORDING TO CHICAGO AND INDIANAPOLIS TV NEW.
Apologies here folks.. I do not know how to bring up flag.
SIGnature file:

N9FLX.....	H.G. (Hal) Hardy
E-mail.....	n9flx@indygate.ampr.org
Home BBS.....	N9FLX@WJ9U.#CENIN.IN.USA.NOAM
IP ADDR.....	N9FLX-2 [44.48.70.173]
IP ADDR.....	N9FLX-6 [44.48.70.174]
QTH.....	Indianapolis,IN. 46208zip
00~	~~~~~00

From rwf@mindspring.com Mon Jun 03 18:17:12 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA22561 for <aprssig@tapr.org>; Mon, 3 Jun 1996 18:17:09 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id TAA11843 for <aprssig@tapr.org>; Mon, 3 Jun 1996 19:17:04 -0400
Date: Mon, 3 Jun 1996 19:17:04 -0400
Message-Id: <2.2.16.19960604011637.2f1f0752@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:1563] Re: MFJ Data Radio

At 01:59 PM 6/3/96 -0500, Paul wrote:

>However, there are problems in the conversion of some of these radios; mainly,
>the expense (in time or \$\$) of obtaining the manual for them.

Yes. It is not for everyone.

But if everyone sticks to pretty straightforward radios, the tune up instructions are available readily.

There is a web page with tune up and conversion instructions of Mitreks and MVPs to the 440 ham band. I'll bet someone could modify that stuff to depict the 2 meter instructions as well.

The radios I mentioned come right up on 2 meters with good sensitivity with just a crystal change (just don't use bomar or Jan crystals). There is no "conversion" per se.

>We picked up 18 "partial" UHF MAXAR-80s at Dayton for \$4/each. "Partial" because

>they were designed to be used as data radios; the components for the audio section

>was never installed. (We also picked up a couple of "real" MAXAR-80s, as well.)

>We suspect that these things already have the wider IF filters for 9600+ installed.

>

>Now, the problem of obtaining the manual, and doing the realignment.

You were going to use them for 9600 then? or for 1200 APRS?

Too bad the manuals weren't available.

One of the Mitreks, I took to Motorola for tuning because I did not have the time to do it myself. They charged 60.00 to do it (a good price, considering what my time is worth) I bargained them down to 30.00.

>If anyone has suggestions on how to go about this project, please mail me.

Sorry, my Moto experience is with Mitreks and close kin only. Good luck. I have heard horror stories on the Maxars.

Ralph

From bruninga@nadm.navy.mil Mon Jun 03 19:03:40 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA24911 for <aprssig@tapr.org>; Mon, 3 Jun 1996 19:03:35 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id UAA21502; Mon, 3 Jun 1996 20:04:27 -0400
Date: Mon, 3 Jun 1996 20:04:27 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: APRS-ATV interface
Message-ID: <Pine.SUN.3.91.960603200055.21458A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just received a copy of the Kansas City APRS Working Group Newsletter and was intrigued by their project to interface the APRS map displays to their ATV repeater. They will use a touch tone decoder so that remote ATV users can page up/down, select the 1 to 9 MAP hot keys, and cycle through the WX stations with the N command.

I presume he is writing some kind of TSR to stuff the proper KEY stroke into the keyboard buffer. Neat idea. let us know when it is finished.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Mon Jun 03 19:28:35 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA25630 for <aprssig@tapr.org>; Mon, 3 Jun 1996 19:28:32 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id UAA21659; Mon, 3 Jun 1996 20:29:24 -0400
Date: Mon, 3 Jun 1996 20:29:24 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1576] TORCH
In-Reply-To: <27363@IndyGate.ampr.org>
Message-ID: <Pine.SUN.3.91.960603202842.21458F-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Jun 1996 n9flx@indygate.kb9law.ampr.org wrote:

> TORCH CARAVAN REACHED HAMMOND, IN. (lag: 4136.21N log: 08727.78W)
> AT 18:00EST LOCAL ACCORDING TO CHICAGO AND INDIANAPOLIS TV NEW.
> Apologies here folks.. I do not know how to bring up flag.

APRsdos REPLY COMMENT: Ive been using the WX-STORMS-ADVISORY flag...
as my symbol for hte Olymipic torch...

de wb4apr@amsat.org

From rtucker@moocow1.ttgciitn.com Mon Jun 03 19:35:34 1996
Received: from insosf1.netins.net (root@insosf1.netins.net [167.142.225.5]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA26012 for <aprssig@tapr.org>; Mon, 3
Jun 1996 19:35:24 -0500 (CDT)
Received: (from root@localhost) by insosf1.netins.net id TAA24385 for
aprssig@tapr.org; Mon, 3 Jun 1996 19:35:16 -0500 (CDT)
Received: from moocow1.ttgciitn.com (moocow1.ttgciitn.com [10.42.1.3]) by
crasher2.ttgciitn.com (8.7.5/960507.rtucker) with SMTP id TAA00122 for
<aprssig@tapr.org>; Mon, 3 Jun 1996 19:25:37 -0500
Date: Mon, 3 Jun 1996 19:25:37 -0500
Message-Id: <199606040025.TAA00122@crasher2.ttgciitn.com>
X-Sender: rtucker@crasher2
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ryan Tucker <rtucker@moocow1.ttgciitn.com>
Subject: Re: [APRSSIG:1566] Re: APRS WX stuff

Erps, wasn't meant to go to the list. Something about this list breaks
replying in a nasty way. -rt

At 03:20 PM 6/3/96 -0500, Ryan Tucker wrote:
>At 10:38 AM 6/3/96 -0500, you wrote:
>>As a side note, I will be installing WinAPRS at the NWS site this
>>Thursday. (They have 3 hams working there now.)
>
>The Johnston NWS office? Cool :-)
>
>73 de N0PBS (who needs a vacation to work on this stuff)
>
>

From james-m@ix.netcom.com Mon Jun 03 19:38:13 1996
Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA26121 for <aprssig@tapr.org>; Mon, 3
Jun 1996 19:38:06 -0500 (CDT)
Received: from acerp90 (sav-ga6-29.ix.netcom.com [206.217.118.93]) by dfw-
ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id RAA20177 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 17:37:24 -0700
Message-ID: <31B3835C.2BE4@ix.netcom.com>
Date: Mon, 03 Jun 1996 20:29:16 -0400
From: Don Murray <james-m@ix.netcom.com>
Organization: AE4BR
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1565] Re: APRS WX stuff

References: <199606031954.0AA12815@tapr.org>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

schiers@ames.net wrote:

>

> In <702426@bbs.ames.net>, on 06/03/96 at 02:26 PM,

> aprssig@tapr.org said:

>

> > hasan schiers, NOAN <schiers@ames.net> wrote:

>

> >> They just called me (NWS). Here is their "official" reporting standard:

> >>

> >>1. For 24 hour period precip is reported at 1200 UTC...no change for day1

> >> or standard, so the reporting period fluctuates 6:00 a.m winter, 7:00

> >> summer (DST) here in Iowa.

> >>

> >>2. For 60 minutes, it is ON THE HOUR.....no sliding. Hope this helps.

>

> >Clearly designed for reporting systems where the sampling interval is

> >much longer than APRS users are accustomed to!

>

> >So if the APRS format remains with a single figure, the useful thing to

> >do is to report the previous period's data until the end of the current

> >period, not to report the accumulator value during the current period.

> >This way the WX watchers have several chances to capture the data off the

> >air before it is replaced with fresh data.

>

> >It would be nice to see both figures reported; the previous period and

> >the current period accumulator. Makes effective use of the higher

> >sampling rate available via APRS.

>

> >-Ralph kd1sm

>

> I'm confused...APRS doesn't use a single figure, and I didn't think the

> discussion was of dropping one or the other, but rather how to properly

> DEFINE the periods of interest.

>

> e.g. Rain and Precip are reported in APRS. Rain is in the last hour,

> precip in the last day. All that needs to happen is to define the day as

> beginning and ending at 1200 utc, for the latter and using a cardinal hour

> for the rain instead of a sliding 60 minute period. This seems to meet

> both criteria: ease of programming and agreement with NWS.

>

> If that really is the question, then I would

> like APRS to stick to NWS definitions, so we can compare what is reported

> by the NWS to our own experience. 73,

>

> hasan schiers, NOAN--

> -----

> schiers@ames.net

> -----

I agree, I also would like for us to stick to the NWS definitions.

Don

From pce@infobahn.icubed.com Mon Jun 03 19:39:18 1996
Received: from infobahn.icubed.com ([199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id TAA26158 for <aprssig@tapr.org>; Mon, 3 Jun 1996 19:39:14 -0500 (CDT)
Received: by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM)
id AA03178; Mon, 3 Jun 1996 20:35:45 -0400
Date: Mon, 3 Jun 1996 20:35:44 -0400 (EDT)
From: PCE Enterprises <pce@infobahn.icubed.com>
To: aprssig@tapr.org
Subject: Converting commercial radios
In-Reply-To: <2.2.16.19960604011637.2f1f0752@mindspring.com>
Message-Id: <Pine.OSF.3.91.960603203033.2566A-100000@infobahn.icubed.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Jun 1996, rwf wrote:

> There is a web page with tune up and conversion instructions of Mitreks and
> MVPs to the 440 ham band. I'll bet someone could modify that stuff to
> depict the 2 meter instructions as well.

Do you know the URL for that?

> The radios I mentioned come right up on 2 meters with good sensitivity with
> just a crystal change (just don't use bomar or Jan crystals). There is no
> "conversion" per se.

That's good to know; I have a Motorola "Mobile Repeater" that I want to get running. Haven't had any luck finding manuals, though.

>> We picked up 18 "partial" UHF MAXAR-80s at Dayton for \$4/each.
>> "Partial" because they were designed to be used as data radios; the
>> components for the audio section was never installed.

> You were going to use them for 9600 then? or for 1200 APRS?
> Too bad the manuals weren't available.

We're trying to get some activity going on 440 at 9600. APRS will come later... I already have an old RCA rig (several, in fact) that is likely to become a WIDE for the area. (On the map at Dayton, I saw that Pittsburgh was in the middle of a blank spot...)

From zoom@willow.sps.mot.com Mon Jun 03 19:44:46 1996
Received: from spsgate.sps.mot.com (spsgate.sps.mot.com [192.70.231.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA26297 for <aprssig@tapr.org>; Mon, 3 Jun 1996 19:44:43 -0500 (CDT)
Received: from mogate (mogate.sps.mot.com) by spsgate.sps.mot.com (4.1/SMI-4.1/

Email 2.1 10/25/93)

id AA14959 for aprssig@tapr.org; Mon, 3 Jun 96 17:44:33 MST
Received: from azbc.sps.mot.com ([222.90.5.2]) by mogate (4.1/SMI-4.1/Email-2.0)
id AA24112 for aprssig@tapr.org; Mon, 3 Jun 96 17:44:32 MST
Received: from willow.sps.mot.com by azbc.sps.mot.com with SMTP
(1.37.109.4/16.2) id AA02702; Mon, 3 Jun 96 19:47:14 -0500
Received: by willow.sps.mot.com (4.1/SMI-4.1)
id AA06440; Mon, 3 Jun 96 17:43:55 MDT
Date: Mon, 3 Jun 1996 17:43:55 -0600 (MDT)
From: Chris Terwilliger <zoom@willow.sps.mot.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1575] Re: MFJ Data Radio
In-Reply-To: <199606032239.RAA15215@solar.cs.tamu.edu>
Message-Id: <Pine.SUN.3.91.960603173643.5916D@willow>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For all interested:

Parts ID number = 1-708-538-0021

these folks can tell you what you have from a part number, usually get
the part number from your description, or can tell you what manual you need
from the radio's part number.

Parts ordering = 1-800-422-4210

these folks will take your order. They can only work from a valid part
number.

About manuals,

Most are still in stock, some are not and will not be restocked. Prices
can vary all over the place and are not always reasonable. Usually,
manuals which have been reproduced after the original printing was
exhausted are more expensive.

Chris, AA7WD

From dgc@host.renc.igs.net Mon Jun 03 20:09:57 1996

Received: from host.renc.igs.net (root@gateway.renc.igs.net [206.248.30.7]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA27446 for <aprssig@tapr.org>; Mon, 3
Jun 1996 20:09:54 -0500 (CDT)

Received: from dgc.renc.igs.net (ttyA10.renc.igs.net [206.248.50.46]) by
host.renc.igs.net (8.6.12/8.6.12) with SMTP id VAA06781 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 21:09:28 -0400

Message-Id: <199606040109.VAA06781@host.renc.igs.net>

Comments: Authenticated sender is <dgc@host.renc.igs.net>

From: "Doug Campbell" <dgc@host.renc.igs.net>

To: aprssig@tapr.org

Date: Mon, 3 Jun 1996 21:10:11 +0000

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Subject: HELP

X-Confirm-Reading-To: "Doug Campbell" <dgc@host.renc.igs.net>

X-pmrqc: 1
Return-receipt-to: "Doug Campbell" <dgc@host.renc.igs.net>
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.31)

Hello

I wonder if anyone could help me . I have tried to install and run APRS in my computer and all I get is APRS in large letters and a bunch of gibberish , Then the computer starts beeping and locks up . I am using a NEC 7022 (pentium 75) with windows95 as the OS. I have installed the same zipped programs at work on the 486 66 and it works just fine . I also waited until I received the CD from TAPR to see if that program would work but I had the same results . I have tried all the versions of the program I could get my hands on without any joy . This is the first program that I have had this problem on so I have to wonder what it is .
Thanks in advance Doug Campbell VE3DGC

From 0004818186@mcimail.com Mon Jun 03 20:19:45 1996
Received: from gatekeeper.mcimail.com (gatekeeper.mcimail.com [192.147.45.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA27844 for <aprssig@tapr.org>; Mon, 3 Jun 1996 20:19:41 -0500 (CDT)
Received: from mailgate.mcimail.com (mailgate.mcimail.com [166.40.135.3]) by gatekeeper.mcimail.com (8.6.12/8.6.10) with SMTP id BAA29012; Tue, 4 Jun 1996 01:16:16 GMT
Received: from mcimail.com by mailgate.mcimail.com id ai26419; 4 Jun 96 1:19 WET
Date: Mon, 3 Jun 96 20:18 EST
From: Miami Network <0004818186@mcimail.com>
To: aprssig <aprssig@tapr.org>
Subject: APRS Rain Fall Wx Reporting
Message-Id: <51960604011815/0004818186NA3EM@MCIMAIL.COM>

I got a little trigger happy and deleted the message that talked about the two conventions on how rain fall was being reported by APRS and the convention.

If someone save that can you please forward it to me directly at miaminet@mcimail.com

I would like to send it to the National Hurricane Center in Miami for their review.

The APRS Station at the Hurricane Center was receiving Wx Data from the Keys this past weekend which was reporting rain fall at a level higher than other recording equipment. It might be interesting to see which of the two was accurate or if it was in the way the information was being sent?

73, Seymour, KC4NMY

From 0004818186@mcimail.com Mon Jun 03 20:27:33 1996
Received: from gatekeeper2.mcimail.com (gatekeeper2.mcimail.com [192.147.45.10])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA28098 for <aprssig@tapr.org>; Mon, 3
Jun 1996 20:27:30 -0500 (CDT)
Received: from mailgate2.mcimail.com (mailgate2.mcimail.com [166.40.135.23]) by
gatekeeper2.mcimail.com (8.6.12/8.6.10) with SMTP id BAA27207; Tue, 4 Jun 1996
01:31:09 GMT
Received: from mcimail.com by mailgate2.mcimail.com id ab03601;
4 Jun 96 1:27 WET
Date: Mon, 3 Jun 96 20:26 EST
From: Miami Network <0004818186@mcimail.com>
To: aprssig <aprssig@tapr.org>
Subject: APRS & Ultima 2000 Wx Station
Message-Id: <84960604012648/0004818186NA3EM@MCIMAIL.COM>

We just commissioned a new DIGI in South Florida that is equipped with the
Ultima 2000 Wx Station. I noticed from time to time during the testing that we
were getting a message in the upper right corner of the screen "Com Port
Overload"

Any hints as to what would be causing this?

73, Seymour, KC4NMY

From benws5r@arn.net Mon Jun 03 21:21:57 1996
Received: from arnet.arn.net (arnet.arn.net [204.177.232.11]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id VAA00947 for <aprssig@tapr.org>; Mon, 3 Jun 1996
21:21:54 -0500 (CDT)
Received: from dialup4-061.arn.net (dialup1-084.arn.net [207.19.0.84]) by
arnet.arn.net (8.7.5/8.7.3) with SMTP id VAA03249 for <aprssig@tapr.org>; Mon, 3
Jun 1996 21:23:16 -0500 (CDT)
Received: by dialup4-061.arn.net with Microsoft Mail
id <01BB5194.F84C9A00@dialup4-061.arn.net>; Mon, 3 Jun 1996 21:38:14 -0500
Message-ID: <01BB5194.F84C9A00@dialup4-061.arn.net>
From: Ben Pollard <benws5r@arn.net>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: FW: meteor scatter/packet
Date: Mon, 3 Jun 1996 21:26:32 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

From: BOB ROACH[SMTP:bob.roach@sourcebbs.com]
Sent: Monday, June 03, 1996 10:30 AM
To: VHF@w6yx.stanford.edu
Subject: Re: meteor scatter/packet

Hi Everyone,

This may be slightly off topic but it definately deals with a VHF "weak signal". I recently bought a PK-12 TNC and in the docs there is some mention of settings for meteor scatter packet. Does anyone here participate in this or know anything about it.

73 de KE4QOK
Bob
bob.roach@sourcebbs.com

* SLMR 2.1a * Very funny Scotty.....now beam up my clothes!

This message originated from: ----- Selective Source BBS
----- Virginia Beach, Virginia
----- (804) 471 6776

Submissions: vhf@w6yx.stanford.edu
Subscription/removal requests: vhf-request@w6yx.stanford.edu
Human list administrator: vhf-approval@w6yx.stanford.edu

From sarnold@access-net.com Mon Jun 03 21:25:18 1996
Received: from access-net.com (root@access-net.com [206.240.156.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA01022 for <aprssig@tapr.org>; Mon, 3 Jun 1996 21:24:58 -0500 (CDT)
Received: from sarnold.access/net.com (dialppp.access-net.com [206.240.156.101]) by access-net.com (8.6.12/8.6.9) with SMTP id UAA04534 for <aprssig@tapr.org>; Mon, 3 Jun 1996 20:21:17 -0500
Message-ID: <31B3589A.69E4@access-net.com>
Date: Mon, 03 Jun 1996 21:26:51 +0000
From: Scott Arnold <sarnold@access-net.com>
X-Mailer: Mozilla 3.0b3 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1575] Re: MFJ Data Radio-- MAXAR-80 UHF
References: <199606032239.RAA15215@solar.cs.tamu.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gerald J Creager wrote:

>

> For the MAXAR manuals: Get with your local 2-way shop and ask them (nicely)

> for the number to Motorola's Parts ID line. Parts ID can get you the part
> number for the appropriate manual and then help you order it. Cost should be
> <\$10.
>
> 73, gerry
> n5jxs@tamu.edu

Motorola Parts ID # 1-847-538-0021

MAXAR 80 UHF: I can get you the part # for the manual, but I need the
model number of the radio as there are many manuals for that radio.
Also I probably have the manual your looking for?

Scott Arnold
KC5RIE
Southern Communications Advanced Technology
e-mail sarnold@access-net.com

From n2czf@gate.net Mon Jun 03 21:31:58 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA01248 for <aprssig@tapr.org>; Mon, 3 Jun 1996
21:31:52 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.139 (wpbfl2-12.gate.net [199.227.125.139]) by
osceola.gate.net (8.6.12/8.6.12) with SMTP id WAA20208 for <aprssig@tapr.org>;
Mon, 3 Jun 1996 22:31:36 -0400
Date: Mon, 3 Jun 1996 22:31:36 -0400
Message-Id: <199606040231.WAA20208@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1582] Converting commercial radios
To: aprssig@tapr.org
In-Reply-To: <Pine.OSF.3.91.960603203033.2566A-1000000@infobahn.icubed.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

I never saw the original posting but please Ralph or anyone else fill me in!!

I think a real hot topic could be what can be converted to 902 MHz from the
commercial band. Most anyone can find radios that can be converted for 2M and
440 but how about 902 or 1.2 ?? I hear some of the Standard 800 MHz radios have
been made to go to 1.2 GHZ! Talk about easy pickings for a National APRS
frequency.

Does anyone know of a newsgroup or a sig comprised of hams in the 2-way
radio/broadcast industry ? Seems that there are enough of us out here.

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've
forgotten this before. Steven Wright

From amirault@laraby.tiac.net Mon Jun 03 21:35:00 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA01572 for <aprssig@tapr.org>; Mon, 3 Jun 1996 21:34:57 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id WAA17052; Mon, 3 Jun 1996 22:34:52 -0400
Date: Mon, 3 Jun 1996 22:34:52 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1526] Re: Order Status
In-Reply-To: <199606030302.UAA00389@m1.sprynet.com>
Message-ID: <Pine.BSF.3.91.960603223219.16959A-100000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 2 Jun 1996 ku0g@sprynet.com wrote:

> Thanks Rich!!!! Also, thanks Hasan!!!
>
> Best 73,
> Jim Duncan, KU0G
> APRS--Kansas City Coordinator
> EMail: ku0g@sprynet.com

I don't think this cryptic message should have been posted to the mailing list. At first I thought someone was thanking me, but I couldn't figure out what for!

Much better to send e-mail (and a carbon copy) directly to these two folks.

Richard Amirault	N1JDU	Boston, Massachusetts USA
amirault@tiac.net	"Go Fly A Kite"	

From ku0g@sprynet.com Mon Jun 03 21:45:05 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA01762 for <aprssig@tapr.org>; Mon, 3 Jun 1996 21:45:02 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.145.115] (dd03-115.compuserve.com [199.174.145.115]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id TAA13874 for <aprssig@tapr.org>; Mon, 3 Jun 1996 19:43:01 -0700
Date: Mon, 3 Jun 1996 19:43:01 -0700
Message-Id: <199606040243.TAA13874@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1578] APRS-ATV interface
To: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.960603200055.21458A-100000@arctic>
X-Mailer: SPRY Mail Version: 04.00.06.21

It's actually pretty simple....The circuit uses a basic touchtone decoder that reads the tone and will close a 2N222 type transistor switch which is attached to the actual contacts of an old keyboard....pretty simple...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From dseaburg@web-access.net Mon Jun 03 21:51:06 1996
Received: from austin.aus.sig.net (root@austin.aus.sig.net [199.1.78.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA02184 for <aprssig@tapr.org>; Mon, 3 Jun 1996 21:51:02 -0500 (CDT)
Received: from seab486dx4 (ppp200.web-access.net [205.241.59.200]) by austin.aus.sig.net (8.7.5/8.7.3) with SMTP id VAA05595 for <aprssig@tapr.org>; Mon, 3 Jun 1996 21:50:45 -0500 (CDT)
Message-ID: <31B3A489.4D42@web-access.net>
Date: Mon, 03 Jun 1996 21:50:49 -0500
From: Dale Seaburg <dseaburg@web-access.net>
X-Mailer: Mozilla 2.01Gold (WinNT; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1582] Converting commercial radios
References: <Pine.OSF.3.91.960603203033.2566A-100000@infobahn.icubed.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

PCE Enterprises wrote:

>
> On Mon, 3 Jun 1996, rwf wrote:
>
> > There is a web page with tune up and conversion instructions of Mitreks and
> > MVPs to the 440 ham band. I'll bet someone could modify that stuff to
> > depict the 2 meter instructions as well.
>
> Do you know the URL for that?
>

snip-----

I just completed a quick Yahoo / Lycos search and found two web pages:

<http://www.gag.com/papers/mitrek.html>
and
http://www.Hams.com/perens/HamRadio/ModsAndManuals/Motorola/Mitre k_440_To_9600_Repeater.html

Both look good. Also, Buck Rogers has had several articles in CQ on modifying the Mitrek Radios for 9K6.

Hope this helps.

Dale Seaburg KG5LT
dseaburg@web-access.net

From marko@tetherless.com Mon Jun 03 22:45:34 1996
Received: from gorgor.pa.tetherless.com (root@gorgor.pa.tetherless.com [204.94.180.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id WAA04714 for <aprssig@tapr.org>; Mon, 3 Jun 1996 22:45:31 -0500 (CDT)
Received: from mark.pa.tetherless.com (mark.pa.tetherless.com [204.94.180.151]) by gorgor.pa.tetherless.com (8.7.3/8.7.3) with SMTP id UAA17537 for <aprssig@tapr.org>; Mon, 3 Jun 1996 20:45:27 -0700 (PDT)
Date: Mon, 3 Jun 1996 20:45:27 -0700 (PDT)
Message-Id: <1.5.4.16.19960603204528.41c725c6@gorgor.pa.tetherless.com>
X-Sender: marko@gorgor.pa.tetherless.com
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Mark Oppenheim <marko@tetherless.com>
Subject: Motorola PVT-6 Question

I have a Motorola "Oncore" PVT-6 GPS receiver.

After having the unit glitched, I was finally able to get the unit back to NMEA mode, from the Motorola Binary mode.

Unfortunately, the unit now inserts a binary character in front of each NMEA sentence. This even is present in the Motorola "Binary" mode, as the Motorola program that I have ("GPS90") also reports "bad data" when it is being used.

Is there a command/method to "reset/default" the unit?

Mark

From quarry@q.continuum.net Tue Jun 04 03:37:13 1996
Received: from q.continuum.net (q.continuum.net [199.0.52.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id DAA21099 for <aprssig@tapr.org>; Tue, 4 Jun 1996 03:37:11 -0500 (CDT)
Received: from [199.0.52.84] (cd-35.continuum.net [199.0.52.84]) by q.continuum.net (8.6.12/8.6.12) with SMTP id EAA25168; Tue, 4 Jun 1996 04:42:46 -0400
Message-Id: <v02140b00add9a4f8953e@[199.0.52.92]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 4 Jun 1996 04:37:07 -0400
To: aprssig@tapr.org, ksproul@hardees.rutgers.edu
From: quarry@q.continuum.net (Chip)
Subject: "Auto Scroll Moving Map"

I'm fairly sure I already asked this, but I got no replies that I am aware of, so I will try again.

I wonder if I have the "Auto Scroll Moving Map" enabled will it scroll

onto another map, or will it only work on the selected map? Is there a way to set a range so that if it did scroll onto a new map it would retain a particular range?

I will be making a trip to Boston about this time tomorrow (early AM since I have to be at Logan Intl before 7am and I am 2+ hours away). In fact, come to think of it I have no idea how the traffic will be or what route I will take ... send advice by email as it is a little off topic.

Chip Griffin - President of Thames River Apple Users Group (TRAUG)
BBS System Operator of The Quarry (860-889-6427)
- eMail to: quarry@q.continuum.net
my home page: http://q.continuum.net/~quarry/
TRAUG home page: http://q.continuum.net/~quarry/TRAUG.html

From carlt@icanect.net Tue Jun 04 07:08:32 1996
Received: from foo.icanect.net (foo.icanect.net [205.161.216.72]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA26718 for <aprssig@tapr.org>; Tue, 4 Jun 1996 07:08:30 -0500 (CDT)
Received: from carlt.icanect.net (ppp-25.brow.icanect.net [205.161.216.176]) by foo.icanect.net (8.7.5/8.6.9) with SMTP id IAA19435; Tue, 4 Jun 1996 08:11:32 -0400 (EDT)
Date: Tue, 4 Jun 1996 08:11:32 -0400 (EDT)
Message-Id: <199606041211.IAA19435@foo.icanect.net>
X-Sender: carlt@icanect.net
X-Mailer: Windows Eudora Pro Version 2.1.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Carl Taylor <carlt@icanect.net>
Subject: Re: [APRSSIG:1542] Re: DFjr
Cc: aprssig@tapr.org

i am going to be in dallas in about a week... how can i find the aprs gang..
i will have a tracker in my airplane, but no computer....At 09:03 AM 6/3/96
-0500, William Nolle wrote:
>Robert Winingham wrote:
>>
>> >doesn't have the correct RS232 levels of +12v to -12v, but rather 0 to 5v.
>> -----
>>
>> This is no big deal and is done a lot now days.
>>
>> I think the original RS-232 spec was +15 and -15 but most computer
>> work with the 0 to 5v . Remember that some of the handheld GPS
>> units output 0 to +4 volts and this has worked for all TNC's and
>> most use this same GPS output voltage to work with their computers.
>>
>> 73
>>
>> Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org -----

>Thanks for the posting Bob, but that wasn't the case with my Magellan
>NAV5000DX, so don't be too hasty in saying this has worked with ALL TNC's
>because my Magellan never did work on a KPC3 even after many suggestions
>from people on the sig and also many calls to Kantronics and Magellan. I
>finally had to switch to another make of TNC and it worked just fine. By
>the way we also hooked the Magellan to a friend's KPC3 that normally runs
>a Magellan Meridian and it wouldn't work on his either!. Also on the same
>note I have not been able to get my NAV5000DX to work on Paccomm's single
>port switch even after their suggested fix by placing a resistor in the
>TNC. So this tells me there's something about my GPS receiver that's
>different than most GPS receivers used like the Garmin's etc.

>

>Bill KE4EER

><http://www.netcom.com/~wnolle>

>

>

>

Johann O Jokulsson | <http://www.iti.is>

System Administrator |

Technological Institute of Iceland tel: +354 - 587 - 7000

Keldnaholti, IS-112 Reykjavik fax: +354 - 587 - 7409

From schiers@ames.net Tue Jun 04 07:56:59 1996

Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org

(8.7.5/8.7.3/1.9) with SMTP id HAA27955 for <aprssig@tapr.org>; Tue, 4 Jun 1996
07:56:53 -0500 (CDT)

From: schiers@ames.net

Message-Id: <199606041256.HAA27955@tapr.org>

Received: from [206.29.126.237] by ames.net id 3f210.wrk; Tue, 4 Jun 1996 07:57:02
-0600

Date: Tue, 04 Jun 96 07:52:06 -0600

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1590] Re: Order Status

In-Reply-To: <702852@bbs.ames.net>

X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

In <702852@bbs.ames.net>, on 06/03/96 at 11:35 PM,

aprssig@tapr.org said:

>On Sun, 2 Jun 1996 ku0g@sprynet.com wrote:

>> Thanks Rich!!!! Also, thanks Hasan!!!

>>

>> Best 73,

>> Jim Duncan, KU0G

>> APRS--Kansas City Coordinator

>> EMail: ku0g@sprynet.com

>I don't think this cryptic message should have been posted to the

>mailing list. At first I thought someone was thanking me, but I couldn't

>figure out what for!

>Much better to send e-mail (and a carbon copy) directly to these two
>folks.

>Richard Amirault N1JDU Boston, Massachusetts USA
>amirault@tiac.net "Go Fly A Kite"

And since it is obviously a one timer, I don't think we should waste even more bandwidth (like I am now), nit picking. Geez, some of these lists, remind me of a bunch of old farts (and I am fast becoming one), sitting around just looking for something to gripe about, criticize or find fault with. Do hams have so little productive to do that they just must wait for that ONE BIG chance to find fault. LIghten up. Use your delete key. This is NOT a moderated list and while each person is free to voice his/her opinion...really is this the kind of thing you really want to spend your time doing? Please note the irony in my comments, before flaming, if you would. 73,

hasan schiers, NOAN--

schiers@ames.net

From schiers@ames.net Tue Jun 04 07:59:51 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA27983 for <aprssig@tapr.org>; Tue, 4 Jun 1996
07:59:42 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606041259.HAA27983@tapr.org>
Received: from [206.29.126.237] by ames.net id 3f7b0.wrk; Tue, 4 Jun 1996 07:59:56
-0600
Date: Tue, 04 Jun 96 07:57:56 -0600
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1585] APRS Rain Fall Wx Reporting
In-Reply-To: <702808@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

In <702808@bbs.ames.net>, on 06/03/96 at 10:28 PM,
aprssig@tapr.org said:

>I got a little trigger happy and deleted the message that
>talked about the two conventions on how rain fall was
>being reported by APRS and the convention.

>If someone save that can you please forward it to me directly at
>miaminet@mcimail.com

>I would like to send it to the National Hurricane Center
>in Miami for their review.

>The APRS Station at the Hurricane Center was receiving Wx Data from the
>Keys this past weekend which was reporting rain fall at a level higher
>than other recording equipment. It might be interesting to see which of
>the two was accurate or if it

>was in the way the information was being sent?

>73, Seymour, KC4NMY

The local NWS told me yesterday that DAILY rainfall is to be reported at a cutoff of 12:00 UTC, no correction for daylight savings time. They also said hourly rainfall is ON THE HOUR and not a sliding 60 minute period.

They do report other intervals like 3 hr and 6 hr as well, but that has no real applicability to APRS. 73,

hasan schiers, N0AN--

schiers@ames.net

From schiers@ames.net Tue Jun 04 08:02:27 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA28191 for <aprssig@tapr.org>; Tue, 4 Jun 1996
08:02:11 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606041302.IAA28191@tapr.org>
Received: from [206.29.126.237] by ames.net id 404c0.wrk; Tue, 4 Jun 1996 08:02:26
-0600
Date: Tue, 04 Jun 96 08:02:04 -0600
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1580] Re: APRS WX stuff
In-Reply-To: <702795@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

In <702795@bbs.ames.net>, on 06/03/96 at 09:56 PM,
aprssig@tapr.org said:

>>>As a side note, I will be installing WinAPRS at the NWS site this
>>>Thursday. (They have 3 hams working there now.)

>>

>>The Johnston NWS office? Cool :-)

>>

Yes, Ryan.

73,

hasan schiers, N0AN--

schiers@ames.net

From rsellers@misha.net Tue Jun 04 08:06:10 1996
Received: from misha.net (delta.wwa.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA28522 for <aprssig@tapr.org>; Tue, 4 Jun 1996
08:06:03 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id IAA12285; Tue, 4 Jun 1996 08:05:50 -0500
Date: Tue, 4 Jun 1996 08:05:50 -0500

Message-Id: <199606041305.IAA12285@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:1584] HELP

>Hello
>I wonder if anyone could help me . I have tried to install and run
>APRS in my computer and all I get is APRS in large letters and a
>bunch of gibberish , Then the computer starts beeping and locks up .
>I am using a NEC 7022 (pentium 75) with windows95 as the OS.
>I have installed the same zipped programs at work on the 486 66 and
>it works just fine . I also waited until I received the CD from TAPR
>to see if that program would work but I had the same results . I have
>tried all the versions of the program I could get my hands on without
>any joy . This is the first program that I have had this problem on
>so I have to wonder what it is .
>Thanks in advance Doug Campbell VE3DGC
>

You didn't mention whether you were working with the DOS or Windows version of APRS software. On my Desktop Pentium, for some reason I'm having a similar problem with the DOS version. I've all but entirely given up running DOS APRS on my pentium. I have no logic or explanation for it. Mine locks the entire PC at the point the screen says INITIALIZING TNC. The only way to recover is shut the PC off.

But I have no problem with the Windows version on my Pentium. Both versions run fine on both laptops (a 286 and 486 model).

73,

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From seront@seism1.ess.sunysb.edu Tue Jun 04 08:54:33 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA00297 for <aprssig@tapr.org>; Tue, 4 Jun 1996 08:54:23 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-4 #8051) id <01I5I91MAJSW9X6HJC@ccmail.sunysb.edu> for aprssig@tapr.org; Tue, 04 Jun 1996 09:54:08 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA27630; Tue, 04 Jun 1996 09:53:26 -0400 (EDT)
Date: Mon, 03 Jun 1996 21:53:50 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: APRS WX stuff
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960604015350.007570b4@seism1.ess.sunysb.edu>

MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 05:17 PM 6/3/96 -0500, you wrote:

>
> Absolutely - if we want to imagine that our data will have utility to
> services outside our own we should stick to standard formats where
> possible. Especially when it's straightforward to do so.
>

While I absolutely agree with that, I find quite stupid to drop the actual "rain" format (moving sum over the last hour, or last day) which actually means something when you look at a wx report. Maybe there's a way to keep both formats?

Speaking about standards: is everything else in APRS in standard units? I would like to have the ability to display km, degrees centigrade, Pascals (or hecto Pascals, this is for pressure)... I am not advocating to drop usual US units, but just an option so the user have some choice.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From bruninga@nadm.navy.mil Tue Jun 04 09:07:51 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA01157 for <aprssig@tapr.org>; Tue, 4 Jun 1996 09:07:43 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id KAA12372; Tue, 4 Jun 1996 10:08:35 -0400
Date: Tue, 4 Jun 1996 10:08:35 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1586] APRS & Ultima 2000 Wx Station
In-Reply-To: <84960604012648/0004818186NA3EM@MCIMAIL.COM>
Message-ID: <Pine.SUN.3.91.960604100628.11919D@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Jun 1996, Miami Network wrote:

> Ultima 2000 Wx Station. I noticed from time to time during the testing
> that we were getting a message in the upper right corner of the screen
> "Com Port Overload"

APRSDOS REPLY COMMENT: Is a known problem with PC's with some of the new UART chips with internal FIFO's. Turn the FIFO buffer of (in setup) or run an older machine. I hope to develop an APRS fix eventually.

When it locks up. Just unplug the ultimeter for a second or two...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Tue Jun 04 09:14:02 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA01207 for <aprssig@tapr.org>; Tue, 4 Jun 1996 09:14:00 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id KAA12814; Tue, 4 Jun 1996 10:14:53 -0400
Date: Tue, 4 Jun 1996 10:14:53 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1594] "Auto Scroll Moving Map"
In-Reply-To: <v02140b00add9a4f8953e@[199.0.52.92]>
Message-ID: <Pine.SUN.3.91.960604101331.11919E-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Jun 1996, Chip wrote:

> I wonder if I have the "Auto Scroll Moving Map" enabled will it scroll
> onto another map, or will it only work on the selected map?

APRSDos REPLY COMMENT: Yes, with TRACKED mode set on a station, the normal APRS automatic map selection will occur automatically...

de wb4apr@amsat.org

From b.gotshall@worldnet.att.net Tue Jun 04 09:43:54 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA02585 for <aprssig@tapr.org>; Tue, 4 Jun 1996 09:43:49 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id OAA11914; Tue, 4 Jun 1996 14:43:11 GMT
Date: Tue, 4 Jun 1996 14:43:11 GMT
Message-Id: <199606041443.OAA11914@mailhost.worldnet.att.net>
Received: from 85.orlando-2.fl.dial-access.att.net(199.70.197.85) by mailhost.worldnet.att.net with SMTP id A11806; Tue Jun 4 14:42:54 1996
X-Sender: b.gotshall@postoffice.worldnet.att.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
Subject: Re: [APRSSIG:1512] APRS Users in FL Space Coast Area!!

At 08:28 PM 6/2/96 +0000, you wrote:

>I would like to inform any "dormant" APRS users in the Space Coast area to keep
>an eye out on 145.79 in about 1-2 weeks. Many have asked for a WIDE digi in the

>Melbourne Daytona Beach area and I think we may have succeeded. This will be a
>test digi for the time being at 400ft running 30 watts just North of Melbourne.
>-----SNIP-----

>73's De Rich N2CZF
>n2czf@gate.net
>Jupiter Farms Florida
>Right now I'm having amnesia and deja vu at the same time. I think I've
>forgotten this before. Steven Wright
>-----SNIP-----

Hi Rich,

Sounds great!!! It should be within the range of kc4vbz-10, here in Orlando
which is up and running well/
We have better than 75% success with N7GZT-10 in Lakeland, and on to Tampa.

I don't know if it is conditions, systems or what, but since the Orlando
Digi has go up, we don't see you all to the south. Is WA4JAF-3 still
operational???

I am going to go back to a direct shot at him for a day or two to see if our
digi lacks to the south or if the path down that way has just gotten worse.

I have talked to Phill, in Lakeland (N7GZT) and he had told me that he had
plans for a digi in Melbourne and also on a bldg. at the CAPE. That may be
who you are referring to.

Will watch (with bated breath) for the Melbourne digi!!!

73's

>
>
Bud (WB4LTF)

From jneely@eden.com Tue Jun 04 11:56:12 1996
Received: from natashya.eden.com (root@natashya.eden.com [199.171.21.14]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA08257 for <aprssig@tapr.org>; Tue, 4
Jun 1996 11:56:08 -0500 (CDT)
Received: from matrix.eden.com (root@matrix.T10.nfs.eden.com [206.81.225.193]) by
natashya.eden.com (8.7.4.1/8.7.1.1) with ESMTP id LAA10546; Tue, 4 Jun 1996
11:55:57 -0500 (CDT)
Received: from net-7-211.austin.eden.com (net-7-211.austin.eden.com
[206.81.226.211]) by matrix.eden.com (8.7.4.1/8.7.1.1) with SMTP id LAA21797; Tue,
4 Jun 1996 11:55:55 -0500 (CDT)
Message-Id: <199606041655.LAA21797@matrix.eden.com>
From: "Jim Neely" <jneely@eden.com>
To: "Bob Bruninga" <bruninga@nadn.navy.mil>
Cc: "aprssig@tapr.org" <aprssig@tapr.org>
Date: Tue, 04 Jun 96 11:54:40 -0500
Reply-To: "Jim Neely" <jneely@eden.com>

Priority: Normal
X-Mailer: Jim Neely's Registered PMMail 1.5
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Subject: Symbols

Bob,

I was experimenting the other day and used the WX commands. So far I haven't been able to find the secret to changing back from the WX symbol to something else.

I'm still using 7.5C. I'm probably overlooking the obvious, but I'd appreciate a bit of your wisdom.

Thanks & 73...jn

Jim Neely
jneely@eden.com WA5LHS@tapr.org

From barrettd@crpl.cedar-rapids.lib.ia.us Tue Jun 04 13:00:10 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us [198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA10429 for <aprssig@tapr.org>; Tue, 4 Jun 1996 12:59:51 -0500 (CDT)
Received: from ppp-106.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US with SMTP;

Tue, 4 Jun 1996 12:58:23 -0500 (CDT)
Received: by ppp-106.cedar-rapids.lib.ia.us with Microsoft Mail id <01BB5215.A87A7890@ppp-106.cedar-rapids.lib.ia.us>; Tue, 4 Jun 1996 12:59:25 -0500
Message-ID: <01BB5215.A87A7890@ppp-106.cedar-rapids.lib.ia.us>
From: "David E. Barrett" <barrettd@crpl.cedar-rapids.lib.ia.us>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:1541] Mission Planning S/W
Date: Tue, 4 Jun 1996 12:56:51 -0500
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----=_NextPart_000_01BB5215.A87BFF30"

-----=_NextPart_000_01BB5215.A87BFF30
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

From: Randy Hammock
Sent: Monday, June 03, 1996 9:02 AM
To: aprssig@tapr.org
Subject: [APRSSIG:1541] Mission Planning S/W

I know that Trimble has a software package that is used to predict =

PDOPs,
satellite visibility and such before going out to do a survey. Does
anyone know of such s/w being in the PD or shareware domain? I would =
nice
to know things like satellite geometry and visibility before going out =
on
a data gathering mission. =20

--

Randy Hammock KC6HUR | E-Mail: kc6hur@garc.gsfc.nasa.gov
8951 Tamar Drive, Apt 101 | Voice: +1-410-964-5503
Columbia, MD 21045 |

APRSTrak has the capability to take GPS Sat Keplerian's and show the =
position of the sat's. Any satellite track program will work; I use =
STSPPlus myself. As for PDOPs I don't have and answer. GPS satellite =
kep's can be found on the amsat website
----- =_NextPart_000_01BB5215.A87BFF30
Content-Type: application/ms-tnef
Content-Transfer-Encoding: base64

eJ8+IhkRAQaQCAAEAAAAAAAAABAAEAAQeQBgAIAAAA5AQAAAAAADoAAEIgAcAGAAAAE1QTS5NaWNy
b3NvZnQgTWfPbC50b3RlADEIAQ2ABAACAAAAAgACAAEEKAYADAEAAAAEAAAAAMAAAAAwAAMAIAAAAL
AA80AAAAAIB/w8BAAAAAPwAAAAAAACBKx+kvqMQGZ1uAN0BD1QCAAAAAAGFwcnNzaWdAdGFwci5v
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AGFwcnNzaWdAdGFwci5vcmcAAAAAAwAVDAEAAAAADAP4PBgAAAB4AATABAAAAEwAAACdhcHJzc2ln
QHRhcHIub3JnJwAAAgELMAEAAAAWAAAAU01UUDpBUfJTU01HQFRBUFIuT1JHAAAAAwAAOQAAAAAL
AEA6AQAAAAIB9g8BAAAAABAAAAAIAIRLgEEgAEAKAAAAAFJF0iBbQVBSU1NJRzoxNTQxXSBNaXNz
aW9uIFBsYW5uaW5nIFMvVwAZDAEFgAMADgAAAMwHBgAEAAwAOAAzAAIAVgEBIIADAAA4AAADMBwYA
BAAMADMAGgACADgBAQmAAQAhAAAAANjAwMEU3NjIyM0JFQ0YxMTlDMTIwMDIwQUY0RDM1RjIAAQCB
A5AGAGAFAAAAUAAACwAjAAAAAADACYAAAAAAAsAKQAAAAAAAwAuAAAAAADADYAAAAAAEAAOQDQ
GUc1P1K7AR4AcAABAAAAKAAAAAFJF0iBbQVBSU1NJRzoxNTQxXSBNaXNzaW9uIFBsYW5uaW5nIFMv
VwACAXEAAQAAABYAAAAABu1I/NUJi5wBhviMRz5wSACCvTTXyAAAEAB4MAQAAAAAMAAABNUwAAHgAf
DAEAAAAaAAAAV2luZG93cy9iYXJyZXR0ZC9iYXJyZXR0ZAAAAAMABhCaNc1lAwAHEJ4CAAAEAAgQ
AQAAAGUAAAAATLS0tLS0tLS0tRlJPTTpsQU5EWUhBTU1PQ0tTRU5UOK1PTkRBWSxKVU5FMDMsMTk5
Njk6MDJBTVRPOkFQU1NTSudAVEFQUk9SR1NVQkpFQ1Q6QVBSU1NJRzoxNTQxXU1TU01PAAAAAIB
CRABAAAAwgMAAL4DAABEBgAATFPgDe0BLSX/AAoBDwIVAqQD5AXrAoMAUBMDVAIAY2gKwHnld04y
BgAGwwKDMgPGBxMcg0YzA8UCAHBycRIicyh0ZW0CgzQTD2Y1EQ96aGVsAyBEbGddAoB9CoAIzwnZ
Oxk/Mjw1NQKACoENsQtgbmd4MTAzFCALChLyDAFjDQBAIAqFCotsaTE4gjAC0WktMTQ0DfDnDNAG
AwtZMTYKoANGFUD6YwVALSInCocg2wwwIab6RgNhOiMuIaYMggfwAHBAZHkgSGFtBGBjfmisizyPd
BmACMCUPJhtNAQIgZGF5LCBKdRhuZSAccCwwMTk5IDYg0TowEiBBTbMnvyPdVG8p/yYbYRTAsQQQ
aWdAAZAUwC4FsMZnLa8oznViaiHhL88BJhtbQVBSU1NjgEc6MTU0MV0F00UEAWkCICBQHCEdABxA
mQYAL1ceLx8zMzYgPwCvVgwBIAZJIGtub70H4HQrWc+BBRAG0GwsgEMRwAQgYSBzbwGad88KwCyA
CrAnkGFnLIA8k6kEACB1EfbkPIBvPkAFGUfPiFfQRE9Qc1osCoVzPLAX0WkVQCDydgQaAWIDEEGA
JyAm8eU9sSHURsCBiDcAFsCyAvGdv0LIiYAVAP6FKp7CDPaEiCHZ1eS4gGADubweQCoUAcHkCICyA
PEPzPdBCpHMvB+BDADiyC4D/PIEsqEBQq8BBARHBB9A+ErdEQADAC4A/RQA8IHcIYOZsP4ADAGN1
CoU/oTxF9zixBCAfYgssgEEoPqADcP0SAHJCVEHJQw8CIEVmRDB7PLA9oGc8sBfABRA4ww0fN/RE
8TksIqcm6yBLQzA2SFVSRQBUqnwgKEU+tQtwbDUQa2MUNmgIcEBQUHJjLlNLoBGgLM49cGFV8G+i
dgqFODk1HgBUJ1DdCsFEBRBEwCwwQUxHGBzHgBUoCBWQ4BKUDUQKyQxLTegMC0tADQt/xuAHHAK
hQhQCKAG0AcwLDDKTUgWmHxgNDVURFSB7zkuHR83AjjzgYVPAPWJH4n5jMaABoEIUP6EBkEvxR+ZQ
BfIFQEt1C1AGcQBwtic9gUKCaDxpPjFvAJB+dDgiRpFH4kEhYfBE8EHfReBBGU0QPmE/ww8JwCdQ
j0nAAxADIEnQcms7PBHzP1EGAFRTOGA/UFdGfSD9F9BmZEEIEIEMhMwc7PUBT/11/HgA8EURAYeAF
QBHARMD7QmMacXcEkETwYOJBKEvw/nBh8V+wA6B0QGhRLGA/gJ84MUfiJ1BBIUnAZWJjEqTKZhh

AHEwAAADABAQAAAAAAMAERAAAAAAQAAHMICHzM+UrsBQAAIMICHzM+UrsBHgA9AAEAAAAFAAAA
UKU6IAAAAAADAA00/TcAAGKB

----- =_NextPart_000_01BB5215.A87BFF30--

From N5RKN@aol.com Tue Jun 04 13:10:16 1996
Received: from emout09.mail.aol.com (emout09.mx.aol.com [198.81.11.24]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA11016 for <aprssig@tapr.org>; Tue, 4
Jun 1996 13:10:12 -0500 (CDT)
From: N5RKN@aol.com
Received: by emout09.mail.aol.com (8.6.12/8.6.12) id OAA17886 for
aprssig@tapr.org; Tue, 4 Jun 1996 14:09:18 -0400
Date: Tue, 4 Jun 1996 14:09:18 -0400
Message-ID: <960604140917_127628711@emout09.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1598] Re: APRS WX stuff

We've had APRS up and running for quite some time at the regional NWS. And,
3 of
their meteorologists are licensed amateurs..with more studying.

What I have not been able to do is to figure out how to tie into WX data
there and be
able to show current WX info via the site. Is there a way and what is
involved? We have
the blessings of NOAA if we can do so.

Robert N5RKN Regional coordinator SKYWARN West Texas
Regional BBS Sysop

From barrettd@crpl.cedar-rapids.lib.ia.us Tue Jun 04 13:52:08 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA12500 for
<aprssig@tapr.org>; Tue, 4 Jun 1996 13:52:05 -0500 (CDT)
Received: from ppp-111.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US with
SMTP;
Tue, 4 Jun 1996 13:50:46 -0500 (CDT)
Received: by ppp-111.cedar-rapids.lib.ia.us with Microsoft Mail
id <01BB521C.F9E1B020@ppp-111.cedar-rapids.lib.ia.us>; Tue, 4 Jun 1996
13:51:48 -0500
Message-ID: <01BB521C.F9E1B020@ppp-111.cedar-rapids.lib.ia.us>
From: "David E. Barrett" <barrettd@crpl.cedar-rapids.lib.ia.us>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:1533] Re: Need Maps for Detroit and Boston
Date: Tue, 4 Jun 1996 13:45:52 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

From: Ryan Tucker

Sent: Monday, June 03, 1996 8:20 AM
To: barrettd@crpl.cedar-rapids.lib.ia.us
Subject: Re: [APRSSIG:1533] Re: Need Maps for Detroit and Boston

At 01:44 AM 6/3/96 -0500, you wrote:
>>Content-Transfer-Encoding: base64
>>Content-Disposition: attachment; filename=3D"MI_MAPS.ZIP"
>>
>Thank's Jack I just LOVE file attachments that are Base 64 encoded =
instead
>of mime or bin hex,
>and it only took 3 minutes to transfer from my maile server to my PC. =
Just
>enough time to pee.

Base64 is MIME ;-)

You don't know how lucky you are. It took about 5 seconds here, which
doesn't even give me time to turn the chair so I can head to the =
bathroom,
much less go pee. Always look on the bright side of things... :-) -rt

Gee not only am I'm lucky but I'm also feeling empathy for your plight, =
though that is canceled out by my jealousy of your fast connection :-)

From kc5ejk@onramp.net Tue Jun 04 15:47:47 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id PAA16716 for <aprssig@tapr.org>; Tue, 4 Jun 1996
15:47:42 -0500 (CDT)
Received: from [199.1.11.111] (dal64.onramp.net [199.1.11.164]) by
mailhost.onramp.net (8.7.3/8.6.5) with SMTP id PAA29668 for <aprssig@tapr.org>;
Tue, 4 Jun 1996 15:47:30 -0500 (CDT)
Message-Id: <v02130501adda47f3fe75@[199.1.11.111]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 4 Jun 1996 15:49:18 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: [APRSSIG:1594] "Auto Scroll Moving Map"

>I wonder if I have the "Auto Scroll Moving Map" enabled will it scroll
>onto another map, or will it only work on the selected map? Is there a
>way to set a range so that if it did scroll onto a new map it would
>retain a particular range?

MacAPRS stays only on same map. You can load a larger map area
(I use the 3 Meg Dallas Maps from the CD-rom) then zoom to the street
level I want and let scroll use that .

I would guess WinAPRS is the same.

Two things to try.

1. MACaprs uses a single key stroke to jump up to the next bigger area map. Then you can click to jump down to the correct smaller map.
2. I had to admit to Keith that I had used Macaprs for over one year before I remembered I could have more than one map windows open at the same time and all showing different maps.

Try using several map windows open at the same time that cover the route. Then close the old one as you leave the area. Have one map open that includes the whole path and use the map border function so you will know the name of the next map to use.

3. You can save a map to disk with the zoom level and added labels.

The several maps at one time is great to give extra zoom coverage to a smaller area and still see the big picture.

Auto scroll ideas

- A. Keep my location at center of screen
- B. scroll only when I move off the map
- C. Follow me (and only me) from map to map

73

Bob - Dallas, TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From kc5ejk@onramp.net Tue Jun 04 15:52:57 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA17112 for <aprssig@tapr.org>; Tue, 4 Jun 1996 15:52:53 -0500 (CDT)
Received: from [199.1.11.111] (dal64.onramp.net [199.1.11.164]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id PAA01091 for <aprssig@tapr.org>; Tue, 4 Jun 1996 15:52:49 -0500 (CDT)
Message-Id: <v02130502adda52135f83@[199.1.11.111]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 4 Jun 1996 15:54:36 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Garmin-20 TAPR order -got it-

I just had a UPS man leave the box with the Garmin-20 GPS.
I am only a few miles from the TAPR ship point in Denton TX.
so the rest of the units should be arriving soon.

Gosh ! is that board ever small.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From bruninga@nadn.navy.mil Tue Jun 04 15:54:46 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA17157 for <aprssig@tapr.org>; Tue, 4 Jun 1996 15:54:44 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id QAA16476; Tue, 4 Jun 1996 16:55:38 -0400
Date: Tue, 4 Jun 1996 16:55:37 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1550] Re: APRS WX stuff
In-Reply-To: <199606031536.KAA00868@tapr.org>
Message-ID: <Pine.SUN.3.91.960604163924.13494F-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I give up. Here is what I have learned so far:

> NOAN reports that the "official" rain reporting standard is:
> 1. For 24 hour period precip is reported at 1200 UTC...no change for
> daylight or standard, so the reporting period fluctuates 6:00 a.m
> winter, 7:00 > a.m. summer (DST) here in Iowa.
> 2. For 60 minutes, it is ON THE HOUR.....no sliding. Hope this helps.

APRS users like it on the sliding scale teh way I have done it.

The NWS at Monterey calif say there are only two reports:

- 1) one per day (taken every 6 hours) but zeroed every day at 0000 UTC called the synoptic measurement
 - 2) One per "proper day" zeroed every night at midnight LOCAL TIME.
- * He knows of NO mechanism for taking readings at 1200 UTC.

In Calif, they take spotter reports based on 1600 LOCAL (0000 z) so that everyone can dump their rain gages before going home from work.

It appears that In IOWA, they must do it a 6 r 7 am (1200 z) before everyone goes to work....

It appears that these spotter times match the synoptic 6 hour periods, but are zeroed more for human convenience (who have to reset the gages) than for getting in sync with other time zones...

He recommends to use the "proper day" zeroed at midnight local time for the best local use value.

Although I would prefer to adopt one standard, and remove my sliding scale, I can go either way, but you SKYWARN guys must determine what is RIGHT for your area apparently it is a local NWS option????

I suppose I could make it a local OPTION in APRS too...

For N0AN, could you confirm from your NWS source what this 1200 z value is?

de wb4apr@amsat.org

From gerry@cs.tamu.edu Tue Jun 04 15:59:29 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA17198 for <aprssig@tapr.org>; Tue, 4 Jun 1996 15:59:27 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id PAA18261 for <aprssig@tapr.org>; Tue, 4 Jun 1996 15:58:40 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id PAA26398 for aprssig@tapr.org; Tue, 4 Jun 1996 15:58:04 -0500

Message-Id: <199606042058.PAA26398@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:1593] Motorola PVT-6 Question

To: aprssig@tapr.org

Date: Tue, 4 Jun 1996 15:58:04 -0500 (CDT)

In-Reply-To: <1.5.4.16.19960603204528.41c725c6@gorgor.pa.tetherless.com> from "Mark Oppenheim" at Jun 3, 96 10:53:06 pm

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

There is a "RESET" command in GPS90... hope it will help.

gerry

From bruninga@nadm.navy.mil Tue Jun 04 16:09:55 1996

Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA17799 for <aprssig@tapr.org>; Tue, 4 Jun 1996 16:09:53 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id RAA17149; Tue, 4 Jun 1996 17:10:47 -0400

Date: Tue, 4 Jun 1996 17:10:47 -0400 (EDT)

From: Bob Bruninga <bruninga@nadm.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1606] Re: APRS WX stuff

In-Reply-To: <960604140917_127628711@emout09.mail.aol.com>

Message-ID: <Pine.SUN.3.91.960604170749.13494J-1000000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Jun 1996 N5RKN@aol.com wrote:

> We've had APRS up and running for quite some time at the regional NWS.
> What I have not been able to do is to figure out how to tie into WX data
> there and be able to show current WX info via the site.

APRSDos REPLY COMMENT: If they have WX info available in RS-232 serial format that is CONSISTENT and applicable in all NWS sites, then I will be happy to write a parser for it.

What do they want for RAIN per day and per hour from your spotters???
When do they re-zero the raingages?

de wb4apr@amsat.org

From amirault@laraby.tiac.net Tue Jun 04 17:08:27 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA19812 for <aprssig@tapr.org>; Tue, 4 Jun 1996 17:08:24 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id SAA02286; Tue, 4 Jun 1996 18:07:56 -0400
Date: Tue, 4 Jun 1996 18:07:55 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Garmin 45 problem?
Message-ID: <Pine.BSF.3.91.960604175834.2021A-1000000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I seem to be having a problem with my Garmin 45 that I don't remember being mentioned here on the sig.

I had suspected it before, but after this past weekend I'm sure.

If my 45 loses 'lock' it seems to be unable to re-acquire 'lock' without POWERING DOWN, THEN POWERING UP. This, of course, requires operator attention (to notice the problem) and operator action (to rectify the problem)

I would say that *most* folks don't have the specific problem that city dwellers have of driving thru long tunnels, and on the lower 'deck' of a 2 deck bridge (or raised roadway)

I drove from Boston, down to R.I. last weekend with my tracker up and running. I didn't notice anything wrong (I was paying attention to driving more than reading my GPS screen) until late in the afternoon after I had been parked for hours. There was a notice to check the message screen. When I did, it told me something to the effect of "Unit is unuseable. Power down then power up"

When I did that, I waited for 'lock' and it took less than one minute!

Has anyone else noticed this?

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From sdimse@bridge.net Tue Jun 04 17:11:48 1996

Received: from relay3.UU.NET (relay3.UU.NET [192.48.96.8]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA20019 for <aprssig@tapr.org>; Tue, 4 Jun 1996 17:11:44 -0500 (CDT)

Received: from bridge.net by relay3.UU.NET with ESMTP (peer crosschecked as: newworld.bridge.net [204.253.4.4]) id QQasrw18589; Tue, 4 Jun 1996 18:11:39 -0400 (EDT)

Received: from [199.174.142.83] (ad15-083.compuserve.com [199.174.142.83]) by bridge.net (8.7.5/8.7.3) with SMTP id SAA17397 for <aprssig@tapr.org>; Tue, 4 Jun 1996 18:08:57 -0400 (EDT)

Message-Id: <199606042208.SAA17397@bridge.net>

Subject: Re: [APRSSIG:1597] Re: APRS Rain Fall Wx Reporting

Date: Tue, 4 Jun 96 18:12:35 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>>The APRS Station at the Hurricane Center was receiving Wx Data from the
>>Keys this past weekend which was reporting rain fall at a level higher
>>than other recording equipment. It might be interesting to see which of
>>the two was accurate or if it
>>was in the way the information was being sent?

>

>

>>73, Seymour, KC4NMY

>

The rainfall was real! It was quite localized, I got almost 4 inches over 3 hours. I'm located 21 miles from the NWS in Key West, which explains the discrepancy. A neighbor's boat almost swamped when his bilge pump failed.

There is going to be a whole lot more data for the NWS soon. The county RACES group is putting up an automated U-2000 every 20 miles or so throughout the Keys. First one under test now (KQ4AZ-2).

Steve K04HD

From amirault@laraby.tiac.net Tue Jun 04 17:13:15 1996

Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA20042 for <aprssig@tapr.org>; Tue, 4 Jun 1996 17:12:57 -0500 (CDT)

Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id SAA02396; Tue, 4 Jun 1996 18:12:54 -0400

Date: Tue, 4 Jun 1996 18:12:53 -0400 (EDT)

From: Richard Amirault <amirault@laraby.tiac.net>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1604] Symbols

In-Reply-To: <199606041655.LAA21797@matrix.eden.com>

Message-ID: <Pine.BSF.3.91.960604181058.2021B-1000000@laraby.tiac.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Jun 1996, Jim Neely wrote:

>
> I was experimenting the other day and used the WX commands. So far I haven't
been able to find the secret to
> changing back from the WX symbol to something else.
>
> I'm still using 7.5C. I'm probably overlooking the obvious, but I'd
> appreciate a bit of your wisdom.

That's (another) one of those things about APRS that does not seem to be
anywhere in the docs or help system.....

Simple ... you quit and re-start!

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From seront@seism1.ess.sunysb.edu Tue Jun 04 17:39:40 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id RAA21512 for <aprssig@tapr.org>; Tue, 4 Jun 1996
17:39:37 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-4 #8051)
id <01I5IRE20KW09X728T@ccmail.sunysb.edu> for aprssig@tapr.org; Tue,
04 Jun 1996 18:39:34 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1)
id AA28176; Tue, 04 Jun 1996 18:38:53 -0400 (EDT)
Date: Tue, 04 Jun 1996 06:39:15 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:1613] Garmin 45 problem?
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960604103915.009c1268@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

>If my 45 loses 'lock' it seems to be unable to re-acquire 'lock' without
>POWERING DOWN, THEN POWERING UP. This, of course, requires operator
>attention (to notice the problem) and operator action (to rectify the
>problem)
>

Are you in Power save mode? In this mode the Garmin 45 does not try to
reacquire sats if it loses them. There is something in the docs about that.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From n2iph@cyberenet.net Tue Jun 04 17:40:33 1996

Received: from admin.cyberenet.net (admin.cyberenet.net [204.213.252.6]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA21565 for <aprssig@tapr.org>; Tue, 4 Jun 1996 17:40:30 -0500 (CDT)

Received: from ux1.cyberenet.net by admin.cyberenet.net with smtp (Smail3.1.29.1 #7) id m0uR4m4-00026pC; Tue, 4 Jun 96 18:40 EDT

Received: from n2iph.ppp.cyberenet.net.cyberenet.net by ux1.cyberenet.net with smtp

(Smail3.1.29.1 #8) id m0uR4m1-00009LC; Tue, 4 Jun 96 18:40 EDT

Message-ID: <31B4B8FC.6C4C@cyberenet.net>

Date: Tue, 04 Jun 1996 18:30:21 -0400

From: Bob Derderian <n2iph@cyberenet.net>

Reply-To: n2iph@cyberenet.net

Organization: I&C

X-Mailer: Mozilla 3.0b3Gold (Win95; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1606] Re: APRS WX stuff

References: <960604140917_127628711@emout09.mail.aol.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

It would be great (I think) if we (APRS users) were able to make this connection (NWS real-time data => APRS network) with the NWS, and create a two-way exchange of Wx data to the benefit of both groups.

Some ideas for getting the data, not knowing the hardware setup there these may or may not apply;

1. If the APRS computer has access to the LAN in the NWS office, then you should be able to manually go to a server and get a copy of the data and save it on your local hard drive, where you can then do with it as you wish.

You of course would need read permission for this drive/dir granted to your workstation. The data could be dumped to your local drive by the NWS where APRS could find it either manually or automatically (this would not require read permissions on the server, only a dir on your local drive for them to dump data into).

2. A patch (or .bat file) called up from within APRS could automatically go and grab a copy at preset intervals and save it locally. Bob (APR) could probably write this into specialized copies to run at NWS sites only, and also delete or include other portions of APRS that have no value to this specialized application of APRS. Maybe Bob would take a second look at tweaking APRSNet for this function.

3. The creation of a new module, an APRS server daemon which could handle modem, ethernet, or packet connects and serve out the Wx data, and having its display limited or user configurable to only those map symbols desired (Wx stations and Wx symbols only), dumping the telemetry screen and having in its place a Wx summary table (a print function would be nice here also!). This daemon could also serve as the previously discussed internet connection for long distance linking of local nets, moving the data by implementing and sending e-mail in the

proper format for the 'net to handle.

4. How about a version for a as yet un-tapped OS (Linux/UNIX), the capabilities would be tremendous (Keith/Mark - will your WInAPRS port over to UNIX without much trouble??). I don't know the answer to this but have read that C and C+ can be ported to Linux (and yes I realize WinAPRS is not written in C or Visual C), can anyone answer this question?

Just my 2 cents worth, if I had the time and coding ability, I would tackle one of these ideas, but till now they have just been what-ifs I have dwelled on from time to time.

=====

On another subject, while I am on the soapbox, I would support and like to see the development of a high speed backbone on 900MHz, there is existing equipment used for LAWNs (Local Area Wireless Networks) which operate in the 902-928 band as low-power devices without a license. MAX power out is 1 watt, and a claimed range using omni antennas is 10 miles. What stops us from using these same devices to establish our own net in a band that we already have access to but with slightly higher power output if needed to establish high speed links between WIDEs, the link station could reside at the same site as the 2mtr WIDE, and use yagi or omni antennas to link to other WIDES, the 2mtr uplinks of local stations being ported over to the 900MHz spread-spectrum backbone. Am I dreaming or what. The only thing better than this would be LEO sats dedicated to APRS.

73..."And keep those batteries charged!"

Bob

<http://www.cyebrenet.net/~n2iph/bob.htm>

From alan@ernest.itg.ti.com Tue Jun 04 18:11:14 1996
Received: from gate.ti.com (news.ti.com [192.94.94.33]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id SAA23006 for <aprssig@tapr.org>; Tue, 4 Jun 1996 18:11:12 -0500 (CDT)
Received: from ernest.itg.ti.com ([128.247.93.118]) by gate.ti.com (8.6.13/ac3i.dseg.ti.com) with SMTP id SAA09445 for <aprssig@tapr.org>; Tue, 4 Jun 1996 18:10:40 -0500
Received: by ernest.itg.ti.com (Smail3.1.28.1 #4) id m0uR5CU-0000A2C; Tue, 4 Jun 96 18:07 CDT
Message-Id: <m0uR5CU-0000A2C@ernest.itg.ti.com>
From: alan@ernest.itg.ti.com (Alan Edmonds)
Subject: Re: [APRSSIG:1613] Garmin 45 problem?
To: aprssig@tapr.org
Date: Tue, 4 Jun 1996 18:07:44 -0500 (CDT)
In-Reply-To: <Pine.BSF.3.91.960604175834.2021A-1000000@laraby.tiac.net> from "Richard Amirault" at Jun 4, 96 05:08:49 pm
Organization: Texas Instruments, Inc. Plano TX
X-Mailer: ELM [version 2.4 PL21]
MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Has anyone else noticed this?
>
> Richard Amirault N1JDU Boston, Massachusetts USA
> amirault@tiac.net "Go Fly A Kite"

It seems it if get overheated, it will shutdown. I had mine do it yesterday;
It was working, but all of the signal levels on all the sats were zero.
I let it cool, powered it off, powered it on, and everything was fine.
It also reacquired very quickly.

--

Alan Edmonds, KB5ZUY	Texas Instruments, Inc.
System Administrator, Composer Development	M/S 8515
Phone: +1-214-575-6427	6620 Chase Oaks Blvd.
Email: Alan.Edmonds@ti.com	Plano, TX, USA 75023

From JKHAM@delphi.com Tue Jun 04 18:16:21 1996
Received: from bos1h.delphi.com (SYSTEM@bos1h.delphi.com [192.80.63.8]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id SAA23093 for <aprssig@tapr.org>; Tue, 4
Jun 1996 18:16:19 -0500 (CDT)
Received: from delphi.com by delphi.com (PMDf V5.0-7 #10880)
id <01I5ISOB3Z008Y6Q7G@delphi.com> for aprssig@tapr.org; Tue,
04 Jun 1996 19:16:17 -0500 (EST)
Date: Tue, 04 Jun 1996 19:16:17 -0500 (EST)
From: "John F. Kraus II" <JKHAM@delphi.com>
Subject: [APRSSIG:1194] Re aprs with old tandu laptop?
To: aprssig@tapr.org
Message-id: <01I5ISOB49B68Y6Q7G@delphi.com>
X-VMS-To: INTERNET"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

On 23-MAY-1996 14:37:01.7 aprssig said to JKHAM
>I never can remember how to set this up, but there is something about an
>"append" command to allow you to see both floppy drives.
>Bob usually does pretty well on answering this question.
>Or: Lynn Holcombe, don't you know the answer too?

Bob I would like to know this also. I have a friend who has an old,
nah ancient 8088 with 2 360k 5.25 drives that he wants to run aprsmin on.
I got the program to load but can't see any other stations including
my own which is about 3 miles away. The computer talks to the tnc ok.
I can do o-c-t and connect to a local bbs. I would like to load from
drive A: and use maps on drive B:.

John F. Kraus II <JKHAM@DELPHI.COM> OR <KC4ZGQ@IX.NETCOM.COM>

From mark.endicott@nashville.com Tue Jun 04 18:42:39 1996

Received: from nashville.com (ns1.nashville.com [199.78.224.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA24142 for <aprssig@tapr.org>; Tue, 4 Jun 1996 18:42:36 -0500 (CDT)

Message-Id: <199606042342.SAA24142@tapr.org>

From: mark.endicott@nashville.com

Reply-To: mark.endicott@nashville.com

Subject: Garmin GPS-31 and Plots Screen

To: aprssig@tapr.org

X-Mailer: TSX-BBS

Date: Tue, 4 Jun 96 18:26:06

Organization: <http://WWW.NASHVILLE.COM> * Modem: 615-383-0727

I have just received a new Garmin GPS-31 TracPak all in one receiver and antenna, but no display. It is about the size of a mouse and has some nice features. Two serial output lines, most all of the common NEMA strings, low power consumption and a 999 Knot limit. This brings up a little problem though. Now when I am streaking down the highway at 70 mph it only shows me at 60. Does anyone know of a undocumented command to change it to mph? I am currently installing the nitrous kit on the Jeep to see if i can crack the speed limit of the 31. If you see a red streak but don't hear anything go by, it's just me. Boom to follow.

I should also report to Bob (APR) that the GPS PLOTS works great with the 31 and is real handy, thanks. Would it be possible to convert Knots to MPH (as a set up option) within APRS? And then show speed, Lat-Lon, and a compass heading in a box on the PLOTS screen?

If Found, Please Return To:

```
-----
|           Mark Endicott           \
|           P.O. Box 148242          \
|           Nashville, Tennessee 37214 >
|           WB0N00                   /
|           mark.endicott@nashville.com /
|-----/
```

From ttyamada@CCGATE.HAC.COM Tue Jun 04 18:55:25 1996

Received: from igate1.hac.com (igate1.HAC.COM [192.48.33.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA24812 for <aprssig@tapr.org>; Tue, 4 Jun 1996 18:55:23 -0500 (CDT)

From: ttyamada@CCGATE.HAC.COM

Received: from ises01.ES.HAC.COM ([147.16.5.2]) by igate1.hac.com (4.1/SMI-4.1) id AA14733; Tue, 4 Jun 96 16:52:34 PDT

Received: by ises01.ES.HAC.COM; id AA07561; Tue, 4 Jun 1996 16:55:02 -0700

Received: from cc:Mail by CCGATE.HAC.COM
id AA833932457; Tue, 04 Jun 96 16:53:52 PST
Date: Tue, 04 Jun 96 16:53:52 PST
Encoding: 42 Text
Message-Id: <9605048339.AA833932457@CCGATE.HAC.COM>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1613] Garmin 45 problem?

Perhaps it has something to do with the version of firmware you have??
I when I have lost lock, (on my gps-45) the gps beeps and gives me a
message something like 'poor gps coverage'. When I get back in the
open, it regains lock and keeps going.

Ted (KJ6ZJ)

----- Reply Separator -----
Subject: [APRSSIG:1613] Garmin 45 problem?
Author: aprssig@tapr.org at CCGATE
Date: 6/4/96 3:57 PM

I seem to be having a problem with my Garmin 45 that I don't remember
being mentioned here on the sig.

I had suspected it before, but after this past weekend I'm sure.

If my 45 loses 'lock' it seems to be unable to re-acquire 'lock' without
POWERING DOWN, THEN POWERING UP. This, of course, requires operator
attention (to notice the problem) and operator action (to rectify the
problem)

I would say that *most* folks don't have the specific problem that city
dwellers have of driving thru long tunnels, and on the lower 'deck' of a
2 deck bridge (or raised roadway)

I drove from Boston, down to R.I. last weekend with my tracker up and
running. I didn't notice anything wrong (I was paying attention to
driving more than reading my GPS screen) until late in the afternoon
after I had been parked for hours. There was a notice to check the
message screen. When I did, it told me something to the effect of "Unit
is unuseable. Power down then power up"

When I did that, I waited for 'lock' and it took less than one minute!

Has anyone else noticed this?

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From gphowell@interramp.com Tue Jun 04 19:04:24 1996
Received: from smtp1.interramp.com (smtp1.interramp.com [38.8.45.2]) by tapr.org

(8.7.5/8.7.3/1.9) with SMTP id TAA25166 for <aprssig@tapr.org>; Tue, 4 Jun 1996 19:04:22 -0500 (CDT)

From: gphowell@interramp.com

Received: from smtp.interramp.com by smtp1.interramp.com (8.6.12/SMI-4.1.3-PSI-irsmtp)

id UAA19340; Tue, 4 Jun 1996 20:04:18 -0400

Message-Id: <199606050004.UAA19340@smtp1.interramp.com>

Date: Mon, 03 Jun 96 21:57:03

To: aprssig@tapr.org

Subject: GE Radios and retuning

In-Reply-To: <Pine.SUN.3.91.960529150946.18595E-100000@arctic>

X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v0.99z1

Ralph's comments about GE Custom MVP's and the like absolutely correct ... with one or two caveats. With the Custom and its brothers, the Exec II and Master II, either highband (2 meter) split can generally be made to come down (or up in the case of the low split version) to the ham band. Low split radios tend to be rare, as they were mostly export.

With the UHF radios, you must get a mid split -- i.e. 450 to 470 front end -- to have any hope of making them work. Make sure whoever you get these gems from will either take them back if wrong or can show you that they are the correct split. If not, you can pitch them, 'cause the 470 and up front ends won't make it to 440, and neither will the 406 to 420.

All three types could be supplied with a 10 dB preamp which was mounted in the front end and plugs in to the front end RCA jack. Sometimes these cause more problems than they solve, as the devices tend to have problems with intermod in high RF areas. They were meant for mobiles not stations.

Century II radios will generally tune -- they were pretty broad banded.

Custom and the like used channel elements for transmit and receive -- same thing for Custom and Exec, but Master II needs a different animal that GE calls an ICOM -- Integrated Circuit Oscillator Module. More stable device than the other style. Also, MII used two different types of exciter -- a phase modulated one and a true FM type, which are not common. I don't believe the former lends itself to 9600 very well. All the custom and Exec II radios were phase modulated. Make sure that you get half a dozen or so elements so you can be sure of having two that will work.

Century II uses plug in 3rd overtone type crystals in the 45 meg range. The others use solder in HC-12 types ranging from 12 Mhz range for TX to 16/18 Mhz range for RX. IF's on these radios were generally 11.2 Mhz for all bands.

Our club has been using an Exec II as a digipeater for a number of years, with good results, and I use a Custom for 145.01 on my BBS.

Hope this information is helpful.

Geep WA4RTS

From gphowell@interramp.com Tue Jun 04 19:22:45 1996
Received: from smtp1.interramp.com (smtp1.interramp.com [38.8.45.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA25834 for <aprssig@tapr.org>; Tue, 4 Jun 1996
19:22:43 -0500 (CDT)
From: gphowell@interramp.com
Received: from smtp.interramp.com by smtp1.interramp.com (8.6.12/SMI-4.1.3-PSI-
irsmtp)
id UAA19945; Tue, 4 Jun 1996 20:22:40 -0400
Message-Id: <199606050022.UAA19945@smtp1.interramp.com>
Date: Tue, 04 Jun 96 20:16:16
To: aprssig@tapr.org
Subject: df Jr. and Agrello Engineering
In-Reply-To: <31A3B19B.5A67@concentric.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v0.99z1

There have been lots of comments flying around the sig about Joe Agrello's
df Jr. Here's my two cents worth.

I ordered the system COD, knowing that the wait would be a while. It was
waiting for me when I got back from Dayton (got to meet Joe and Eric
Larson, the sales manager for Agrello Engineering while at the hamfest, a
bonus)

I put the antenna unit together, and tried it out. It did not work
correctly. After poking around a little bit, I determined that one of the
coax lines was shorted, and fixed it. Sent Joe a note about the problem.
He immediately offered to replace the entire antenna box.

I tried it again, and still didn't work, determined that one of the active
devices in the box was bad, probably from running with the shorted line.
I let Joe and Eric know about the problem, and even though I know they
were working furiously to get out the upgraded antenna kits -- all that
shipped before May 22 got a mod to improve reflection rejection -- I got
my new antenna box in a very reasonable time.

Installed it today, and all appears to be working just fine. Thought I
haven't had time to check it out thoroughly, things seem to be doing what
they should, and for once, the advertising seems to follow the product.
Refreshing.

It is nice to deal with a company that responds quickly to customer
problems. Agrello Engineering gets an "A" both for a good product as well
as excellent service. Thanks guys

Geep WA4RTS

--

gphowell@interramp.com

From kirk@neptune.gsfc.nasa.gov Tue Jun 04 19:40:43 1996
Received: from mailhost.gsfc.nasa.gov (tinker-toy.gsfc.nasa.gov [128.183.50.19])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA26479 for <aprssig@tapr.org>; Tue, 4
Jun 1996 19:40:41 -0500 (CDT)
Received: from neptune.gsfc.nasa.gov by mailhost.gsfc.nasa.gov (5.65/Ultrix3.0-C)
id AA12091; Tue, 4 Jun 96 20:40:36 -0400
Received: from breezy.gsfc.nasa.gov by neptune.gsfc.nasa.gov via SMTP
(950911.SGI.8.6.12.PATCH825/920502.SGI) id UAA16619; Tue, 4 Jun 1996 20:43:42
-0400
Message-Id: <2.2.32.19960605004045.006abd5c@neptune.gsfc.nasa.gov>
X-Sender: kirk@neptune.gsfc.nasa.gov
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 04 Jun 1996 20:40:45 -0400
To: aprssig@tapr.org
From: Robert Kirk <kirk@neptune.gsfc.nasa.gov>
Subject: Re: Garmin GPS-31 and Plots Screen
Cc: mark.endicott@nashville.com

At 06:49 PM 04-06-96 -0500, mark.endicott@nashville.com wrote:

> I have just received a new Garmin GPS-31 TracPak all in one
> receiver and antenna, but no display. It is about the size
> of a mouse and has some nice features. Two serial output
> lines, most all of the common NEMA strings, low power
> consumption and a 999 Knot limit. This brings up a little
> problem though. Now when I am streaking down the highway at
> 70 mph it only shows me at 60.

Just get used to thinking in knots. It helps if you can convince
the policeman to do the same :-)

Couple of questions about the 31 now that we have a bona fide user:

How does the power management work: does it need its own power
supply or is it miserly enough to run off the computer's serial port?
I assume if PACCUM can run a GPS from the TNC's power supply that the
31 might be similar.

Can it take waypoints and output the waypoint navigation features
of other GPS's?

Does it have the same engine as the 45?

Do you like it, with all the vast experience you've had? Sounds
like it's the cat's meow as a tracker or with a computer interface.

Bob Kirk
N30ZB

From dgc@host.renc.igs.net Tue Jun 04 19:51:18 1996

Received: from host.renc.igs.net (root@gateway.renc.igs.net [206.248.30.7]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA27009 for <aprssig@tapr.org>; Tue, 4 Jun 1996 19:51:05 -0500 (CDT)

Received: from dgc.renc.igs.net (ttyA0c.renc.igs.net [206.248.50.42]) by host.renc.igs.net (8.6.12/8.6.12) with SMTP id UAA20484 for <aprssig@tapr.org>; Tue, 4 Jun 1996 20:50:27 -0400

Message-Id: <199606050050.UAA20484@host.renc.igs.net>

Comments: Authenticated sender is <dgc@host.renc.igs.net>

From: "Doug Campbell" <dgc@host.renc.igs.net>

To: aprssig@tapr.org

Date: Tue, 4 Jun 1996 20:51:10 +0000

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Subject: Re: [APRSSIG:1599] Re: HELP

X-Confirm-Reading-To: "Doug Campbell" <dgc@host.renc.igs.net>

X-pmrqc: 1

Return-receipt-to: "Doug Campbell" <dgc@host.renc.igs.net>

Priority: normal

X-mailer: Pegasus Mail for Windows (v2.31)

> Date: Tue, 4 Jun 1996 08:34:53 -0500 (CDT)
> Reply-to: aprssig@tapr.org
> From: rsellers@misha.net (Roger Sellers)
> To: aprssig@tapr.org
> Subject: [APRSSIG:1599] Re: HELP

> >Hello

> >I wonder if anyone could help me . I have tried to install and run
> >APRS in my computer and all I get is APRS in large letters and a
> >bunch of gibberish , Then the computer starts beeping and locks up .
> >I am using a NEC 7022 (pentium 75) with windows95 as the OS.
> >I have installed the same zipped programs at work on the 486 66 and
> >it works just fine . I also waited until I received the CD from TAPR
> >to see if that program would work but I had the same results . I have
> >tried all the versions of the program I could get my hands on without
> >any joy . This is the first program that I have had this problem on
> >so I have to wonder what it is .

> >Thanks in advance Doug Campbell VE3DGC
> >

> You didn't mention whether you were working with the DOS or Windows
> version of APRS software. On my Desktop Pentium, for some reason I'm having
> a similar problem with the DOS version. I've all but entirely given up
> running DOS APRS on my pentium. I have no logic or explanation for it. Mine
> locks the entire PC at the point the screen says INITIALIZING TNC. The only
> way to recover is shut the PC off.

> But I have no problem with the Windows version on my Pentium. Both
> versions run fine on both laptops (a 286 and 486 model).

>

> 73,

>

> Roger Sellers

> Amateur Radio: KB9LBU

> E-Mail Home: rsellers@misha.net

> E-Mail Work: rsellers@snds.com

>

> Thanks for the reply Roger

It seems all the versions I have tried are DOS . I tried the winaprs on the TAPR CD but it tells me the beta test time is up June 1st , then stops . Do you know where I could buy a registered version of winaprs ?

73 Doug Campbell

Amateur Radio VE3DGC@VA3KS.#EON.ON.CAN.NOAM

Email dgc@renc.igs.net

From mark@y100.com Tue Jun 04 20:44:45 1996

Received: from mail.voicenet.com (mail.voicenet.com [207.103.0.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA29085 for <aprssig@tapr.org>; Tue, 4 Jun 1996 20:44:41 -0500 (CDT)

From: mark@y100.com

Received: from 207.103.16.55 (philly336.voicenet.com [207.103.16.55]) by mail.voicenet.com (8.6.12/8.6.12) with SMTP id VAA16200 for <aprssig@tapr.org>; Tue, 4 Jun 1996 21:44:37 -0400

Date: Tue, 4 Jun 1996 21:44:37 -0400

Message-Id: <199606050144.VAA16200@mail.voicenet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:1613] Garmin 45 problem?

To: aprssig@tapr.org

X-Mailer: SPRY Mail Version: 04.00.06.17

On Tue, 4 Jun 1996, Richard Amirault <amirault@laraby.tiac.net> wrote:

>I seem to be having a problem with my Garmin 45 that I don't remember
>being mentioned here on the sig.

>If my 45 looses 'lock' it seems to be unable to re-acquire 'lock' without
>POWERING DOWN, THEN POWERING UP. This, of course, requires operator
>attention (to notice the problem) and operator action (to rectify the
>problem)
>

I've had the same problem -- mine has lost lock when all visible birds should be in the clear, for instance, while driving the Interstate in Iowa last month with nothing around but cornfields. (I'm also using the Trimble patch antenna) The unit works fine for hours, then for no apparent reason, shows "Poor GPS Coverage" and must be "rebooted".

Will try defeating the "power saver" mode, as suggested by KB2TGH, and I'll let you know if this makes a difference. I normally use an external 12 V supply -- it would be nice if Garmin modified the design to automatically shut off the "power saver" when external power is present.

73,

Mark N2CHV

From w2g3zfej@unix.asb.com Tue Jun 04 20:51:15 1996
Received: from unix.asb.com (root@unix.asb.com [165.254.128.4]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id UAA29519 for <aprssig@tapr.org>; Tue, 4 Jun 1996
20:51:12 -0500 (CDT)
Received: from asb35 (sls25.asb.com [165.254.128.35]) by unix.asb.com
(8.6.12/8.6.9) with SMTP id WAA06333 for <aprssig@tapr.org>; Tue, 4 Jun 1996
22:23:13 -0400
Date: Tue, 4 Jun 1996 22:23:13 -0400
Message-Id: <199606050223.WAA06333@unix.asb.com>
X-Sender: w2g3zfej@unix.asb.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: bob <w2g3zfej@unix.asb.com>
Subject: GPS Display, Comments

Hi Folks

About a week ago there was a note from kd6pbh regarding a kit to display lat/long etc from your gps board. I was in the middle of developing one myself at the time but since I saw J's message I took the lazy way out and ordered one. Just to let everyone know it works very well, excellent service from J, takes about 30 mins to build, worked first time. The kit consists of a small pcb with a 20pin 68hc705j1 micro and a backlit 16 character x 2 line lcd.

Well done J!

73 de bob w2/g3zfej
w2g3zfej@unix.asb.com
<http://www.asb.com/usr/w2g3zfej/>

PS J's EMail address is j@harper.com

From jleonard@tbcnet.com Tue Jun 04 20:59:04 1996
Received: from tbc2.tbcnet.com (www.castleprint.com [207.112.224.111]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id UAA29734 for <aprssig@tapr.org>; Tue, 4 Jun 1996
20:58:59 -0500 (CDT)
Received: from ts247.tbcnet.com (ts247.tbcnet.com [207.112.227.47]) by
tbc2.tbcnet.com (8.7.4/8.7.3) with SMTP id UAA24240 for <aprssig@tapr.org>; Tue, 4
Jun 1996 20:59:02 -0500
Date: Tue, 4 Jun 1996 20:59:02 -0500
Message-Id: <199606050159.UAA24240@tbc2.tbcnet.com>
X-Authentication-Warning: tbc2.tbcnet.com: Host ts247.tbcnet.com [207.112.227.47]
didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Subject: Re: [APRSSIG:1615] Re: Symbols

Hook your position you want to change.

Hit "I".

Hit "My Position"

Enter Lat

Enter Long

Hit "Buildings"

Hit "my Qth"

Enter

Enter

Enter

Enter

"Y" for yes

Spacebar to redraw map.

And your wx station is changed to a QTH, and will stay that way...unless you have a WX station sending reports out as determined by the value in Alt-S, Pos Rate.

To change your symbol, just get the cursor over yr position, and re-insert another symbol.

See /readme/help.txt

"INPUTS MENU: Lets you ADD objects to the map, or input data on your station."

about halfway down in the document.

73

jbl

At 17:30 6/4/96 -0500, you wrote:

>On Tue, 4 Jun 1996, Jim Neely wrote:

>>

>> I was experimenting the other day and used the WX commands. So far I haven't been able to find the secret to

>> changing back from the WX symbol to something else.

>>

>> I'm still using 7.5C. I'm probably overlooking the obvious, but I'd

>> appreciate a bit of your wisdom.

>

>-----

>That's (another) one of those things about APRS that does not seem to be

>anywhere in the docs or help system.....

>

>Simple ... you quit and re-start!

>

>Richard Amirault

N1JDU

Boston, Massachusetts USA

>amirault@tiac.net "Go Fly A Kite"

>

J Barry Leonard/N9VJQ
DeKalb IL
E-MAIL: jleonard@tbcnet.com
WWW Home Page http://tbcnet.com/~jleonard/leonard.htm

From amirault@laraby.tiac.net Tue Jun 04 21:24:35 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA01040 for <aprssig@tapr.org>; Tue, 4 Jun 1996 21:24:32 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id WAA05778; Tue, 4 Jun 1996 22:24:28 -0400
Date: Tue, 4 Jun 1996 22:24:27 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1621] Re: Garmin 45 problem?
In-Reply-To: <9605048339.AA833932457@CCGATE.HAC.COM>
Message-ID: <Pine.BSF.3.91.960604221137.5411A-1000000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Jun 1996 ttyamada@CCGATE.HAC.COM wrote:

> Perhaps it has something to do with the version of firmware you have??
> I when I have lost lock,(on my gps-45) the gps beeps and gives me a
> message something like 'poor gps coverage'. When I get back in the
> open, it regains lock and keeps going.
>

I just checked my unit:

Version 2.43
Normal Mode (NOT battery saver)

I forget to mention something else I noticed that day.

While my sig lines say "Boston" I actually live in a suburb about 10 miles north. Going home from R.I. I had to travel thru the *center* of the city. Since I had noticed this "problem" in R.I. I was more attentive to the GPS screen on the trip home, particularly the signal strength screen.

I had reasonable sat coverage all the way from R.I. with coverage ranging from 4 to 7 sats. But when I approached downtown Boston I noticed that both the number of sats and the signal strength got less and less until I was down to *zip* (still "outside", not under any obstructions, bridges, tunnels, etc)

Since Boston (like many/most metropolitan areas) is awash with RF, I'm tempted to think that this is some sort of intermod, or overload situation. Once past the downtown area, I powered down, then up and re-acquired lock.

GPS was powerd by external 12v 15 amp hr gel cell
antenna was the QST "patch" antenna on the front dashboard

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From rsellers@misha.net Tue Jun 04 23:36:37 1996
Received: from misha.net (delta.www.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id XAA06045 for <aprssig@tapr.org>; Tue, 4 Jun 1996
23:36:35 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id XAA09556; Tue, 4 Jun 1996 23:36:27 -0500
Message-ID: <31B50DA3.7E53@misha.net>
Date: Tue, 04 Jun 1996 23:31:31 -0500
From: Roger Sellers <rsellers@misha.net>
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1625] Re: HELP
References: <199606050050.UAA20484@host.renc.igs.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Campbell wrote:

>
> > Date: Tue, 4 Jun 1996 08:34:53 -0500 (CDT)
> > Reply-to: aprssig@tapr.org
> > From: rsellers@misha.net (Roger Sellers)
> > To: aprssig@tapr.org
> > Subject: [APRSSIG:1599] Re: HELP
>
> > >Hello
> > >I wonder if anyone could help me . I have tried to install and run
> > >APRS in my computer and all I get is APRS in large letters and a
> > >bunch of gibberish , Then the computer starts beeping and locks up .
> > >I am using a NEC 7022 (pentium 75) with windows95 as the OS.
> > >I have installed the same zipped programs at work on the 486 66 and
> > >it works just fine . I also waited until I received the CD from TAPR
> > >to see if that program would work but I had the same results . I have
> > >tried all the versions of the program I could get my hands on without
> > >any joy . This is the first program that I have had this problem on
> > >so I have to wonder what it is .
> > >Thanks in advance Doug Campbell VE3DGC
> > >
> > You didn't mention whether you were working with the DOS or Windows
> > version of APRS software. On my Desktop Pentium, for some reason I'm having
> > a similar problem with the DOS version. I've all but entirely given up
> > running DOS APRS on my pentium. I have no logic or explanation for it. Mine
> > locks the entire PC at the point the screen says INITIALIZING TNC. The only
> > way to recover is shut the PC off.
> > But I have no problem with the Windows version on my Pentium. Both
> > versions run fine on both laptops (a 286 and 486 model).

> >
> > 73,
> >
> > Roger Sellers
> > Amateur Radio: KB9LBU
> > E-Mail Home: rsellers@misha.net
> > E-Mail Work: rsellers@snds.com
> >
> > Thanks for the reply Roger
> It seems all the versions I have tried are DOS . I tried the winaprs
> on the TAPR CD but it tells me the beta test time is up June 1st ,
> then stops . Do you know where I could buy a registered version of
> winaprs ?
> 73 Doug Campbell

If you check the documentation for WinAPRS you should find the address to register it or Contact the Sproul Brothers here. In a just previous message I got Mark Sproul's e-mail address. Contact him for registering a copy.

Contact Mark via e-mailat: dgc@renc.igs.net
or his homepage is :<http://msproul.rutgers.edu/>

Hope this helps, 73,

Roger Sellers
rsellers@misha.net

From carlt@icanect.net Wed Jun 05 07:27:05 1996
Received: from foo.icanect.net (foo.icanect.net [205.161.216.72]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA24789 for <aprssig@tapr.org>; Wed, 5 Jun 1996 07:27:03 -0500 (CDT)
Received: from carlt.icanect.net (ppp-36.dade.icanect.net [205.161.216.187]) by foo.icanect.net (8.7.5/8.6.9) with SMTP id IAA16324; Wed, 5 Jun 1996 08:30:17 -0400 (EDT)
Date: Wed, 5 Jun 1996 08:30:17 -0400 (EDT)
Message-Id: <199606051230.IAA16324@foo.icanect.net>
X-Sender: carlt@icanect.net
X-Mailer: Windows Eudora Pro Version 2.1.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Carl Taylor <carlt@icanect.net>
Subject: Re: [APRSSIG:1620] Garmin GPS-31 and Plots Screen
Cc: aprssig@tapr.org

At 06:48 PM 6/4/96 -0500, mark.endicott@nashville.com wrote:

> I have just received a new Garmin GPS-31 TracPak all in one
> receiver and antenna, but no display. It is about the size
> of a mouse and has some nice features. Two serial output
> lines, most all of the common NEMA strings, low power
> consumption and a 999 Knot limit. This brings up a little
> problem though. Now when I am streaking down the highway at

> 70 mph it only shows me at 60. Does anyone know of a
> undocumented command to change it to mph? I am currently
> installing the nitrous kit on the Jeep to see if i can crack
> the speed limit of the 31. If you see a red streak but
> don't hear anything go by, it's just me. Boom to follow.
>

> I should also report to Bob (APR) that the GPS PLOTS works
> great with the 31 and is real handy, thanks. Would it be
> possible to convert Knots to MPH (as a set up option) within
> APRS? And then show speed, Lat-Lon, and a compass heading in
> a box on the PLOTS screen?
>
>
>

> If Found, Please Return To:

```
> |-----| \
> |      Mark Endicott      | \
> |      P.O. Box 148242    | \
> |      Nashville, Tennessee 37214    | >
> |      WB0N00            | /
> |      mark.endicott@nashville.com    | /
> |-----|/
```

>you are in knots insted of statute miles per hour....!
carl

>
Johann O Jokulsson | <http://www.iti.is>
System Administrator |
Technological Institute of Iceland tel: +354 - 587 - 7000

Keldnaholti, IS-112 Reykjavik fax: +354 - 587 - 7409

From dmobley@encore.com Wed Jun 05 07:35:31 1996
Received: from ns.encore.COM (ns.encore.COM [129.91.131.22]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA25113 for <aprssig@tapr.org>; Wed, 5 Jun 1996
07:35:28 -0500 (CDT)
Received: from rt-tss.encore.COM by ns.encore.COM with SMTP
id AA18245 (5.67/UK-2.1-950411); Wed, 5 Jun 96 08:35:57 -0400
Received: from localhost by rt-tss; (5.65v3.2/1.1.8.2/13May96-1039AM)
id AA14392; Wed, 5 Jun 1996 08:36:50 -0400
Sender: dmobley@encore.com
Message-Id: <31B57F62.41C6@encore.com>
Date: Wed, 05 Jun 1996 08:36:50 -0400
From: Dennis Mobley <dmobley@encore.com>
Organization: Encore Computor Corp
X-Mailer: Mozilla 2.02 (X11; I; OSF1 V3.2 alpha)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1613] Garmin 45 problem?
References: <Pine.BSF.3.91.960604175834.2021A-100000@laraby.tiac.net>
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Richard Amirault wrote:

>
> I seem to be having a problem with my Garmin 45 that I don't remember
> being mentioned here on the sig.
>
> I had suspected it before, but after this past weekend I'm sure.
>
> If my 45 loses 'lock' it seems to be unable to re-acquire 'lock' without
> POWERING DOWN, THEN POWERING UP.
> Has anyone else noticed this?
>
<<SNIP>>
> Richard Amirault N1JDU Boston, Massachusetts USA
> amirault@tiac.net "Go Fly A Kite"

Yep, mine has done the same thing out on the Atlantic Ocean.
This "feature" does not happen often, and the only warning
is the beep beep "poor coverage" message.
Power cycle the beast and all is well.

Anyone have a casue and/or solution to this problem?

--

Dennis H Mobley	Encore Computer Corporation
Principal Application Specialist	6901 W Sunrise Blvd (MS 708)
Real Time Technical Support	Fl. Lauderdale, Fl. 33313-4499
dmobley@encore.com Email	954.797.5771 Office/Vmail
www.encore.com	954.797.5410 Fax

From stanzepa@usa.nai.net Wed Jun 05 07:38:55 1996
Received: from usa.nai.net (usa.nai.net [204.71.21.10]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA25131 for <aprssig@tapr.org>; Wed, 5 Jun 1996
07:38:53 -0500 (CDT)
Received: from [206.98.48.232] (naih1p23.nai.net [206.98.48.232]) by usa.nai.net
(8.6.12/8.6.5) with SMTP id IAA20961 for <aprssig@tapr.org>; Wed, 5 Jun 1996
08:36:46 -0400
Message-Id: <v01530500addb300d3bd7@[206.98.48.203]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 5 Jun 1996 08:39:27 -0400
To: aprssig@tapr.org
From: stanzepa@usa.nai.net (stan horzepa)
Subject: MacAPRS 2.5.x

Anybody know where to get a copy of MacAPRS 2.5.x? T'was released at
Dayton, but has yet to show up at the TAPR or Rutgers APRS ftp sites yet.

Thank you for your help.

Stan, WA1LOU

From schiers@ames.net Wed Jun 05 07:49:15 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA25449 for <aprssig@tapr.org>; Wed, 5 Jun 1996
07:49:13 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606051249.HAA25449@tapr.org>
Received: from [206.29.126.237] by ames.net id 3e2c0.wrk; Wed, 5 Jun 1996 07:49:26
-0600
Date: Wed, 05 Jun 96 07:48:54 -0600
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1629] Re: Garmin 45 problem?
In-Reply-To: <703675@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

Could someone explain to me the "real" difference between battery saver
mode and normal mode in the Garmin 45? The manual is very vague about it.
73,

hasan schiers, NOAN--

schiers@ames.net

From schiers@ames.net Wed Jun 05 07:56:35 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA25585 for <aprssig@tapr.org>; Wed, 5 Jun 1996
07:56:32 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606051256.HAA25585@tapr.org>
Received: from [206.29.126.237] by ames.net id 3f160.wrk; Wed, 5 Jun 1996 07:56:46
-0600
Date: Wed, 05 Jun 96 07:56:00 -0600
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1610] Re: APRS WX stuff
In-Reply-To: <703458@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.00

In <703458@bbs.ames.net>, on 06/04/96 at 06:06 PM,
aprssig@tapr.org said:

>I give up. Here is what I have learned so far:

>> NOAN reports that the "official" rain reporting standard is:
>> 1. For 24 hour period precip is reported at 1200 UTC...no change for
>> daylight or standard, so the reporting period fluctuates 6:00 a.m
>> winter, 7:00 > a.m. summer (DST) here in Iowa.
>> 2. For 60 minutes, it is ON THE HOUR.....no sliding. Hope this helps.

>APRS users like it on the sliding scale teh way I have done it.

>The NWS at Monterey calif say there are only two reports:
>1) one per day (taken every 6 hours) but zeroed every day at 0000 UTC
> called the synoptic measurement

>2) One per "proper day" zeroed every night at midnight LOCAL TIME. * He
>knows of NO mechanism for taking readings at 1200 UTC.

>In Calif, they take spotter reports based on 1600 LOCAL (0000 z) so that
>everyone can dump their rain gages before going home from work.

>It appears that In IOWA, they must do it a 6 r 7 am (1200 z) before
>everyone goes to work....

>It appears that these spotter times match the synoptic 6 hour periods,
>but are zeroed more for human convenience (who have to reset the gages)
>than for getting in sync with other time zones...

>He recommends to use the "proper day" zeroed at midnight local time for
>the best local use value.

>Although I would prefer to adopt one standard, and remove my sliding
>scale, I can go either way, but you SKYWARN guys must determine what is
>RIGHT for your area apparently it is a local NWS option????

>I suppose I could make it a local OPTION in APRS too...

>For NOAN, could you confirm from your NWS source what this 1200 z value
>is?

Bob, I am meeting with them tomorrow afternoon and will take this message,
printed out with me and ask them to resolve thisif it is resolvable!
Thanks for the info. 73,

hasan schiers, NOAN--

schiers@ames.net

From Paul_Moller@csg.mot.com Wed Jun 05 08:00:24 1996
Received: from motgate2.mot.com (motgate2.mot.com [129.188.136.20]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id IAA25608 for <aprssig@tapr.org>; Wed, 5 Jun 1996
08:00:19 -0500 (CDT)
Received: from pobox.mot.com (pobox.mot.com [129.188.137.100]) by motgate2.mot.com
(8.7.3/8.6.10/MOT-3.8) with ESMTP id MAA12760 for <aprssig@tapr.org>; Wed, 5 Jun
1996 12:58:03 GMT
Received: from OAMPC10.csg.mot.com (OAMPC10.csg.mot.com [144.188.134.33]) by
pobox.mot.com (8.7.3/8.6.10/MOT-3.8) with SMTP id HAA11738 for <aprssig@tapr.org>;
Wed, 5 Jun 1996 07:59:43 -0500 (CDT)
Received: from PaulM_PC.csg.mot.com (PaulM_PC.csg.mot.com [144.188.36.8]) by
OAMPC10.csg.mot.com (8.6.8.1/8.6.6) with SMTP id IAA26081 for <aprssig@tapr.org>;
Wed, 5 Jun 1996 08:09:55 -0500
Message-Id: <2.2.32.19960605130006.007214ec@144.188.134.33>
X-Sender: mollpj@144.188.134.33
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 05 Jun 1996 08:00:06 -0500

To: aprssig@tapr.org
From: Paul Moller <Paul_Moller@csg.mot.com>
Subject: Re: [APRSSIG:1613] Garmin 45 problem?

Yes I have noticed this, and have talked to Garmin about it. It was present on my original Garmin 45 with a s/w version I don't remember, and it is present to a somewhat lesser degree on my replacement 45 with a s/w version I could look up if you wish. Garmin claims it is the unit going into the long 7 minute search the entire sky mode (there is a proper term for that). But I find that it will lock in 7 minutes sometimes, and sometimes never lock. I will say this, I have had it side by side with a Magellan. They both will lose lock under the tree or too close to the building, but the Magellan will re-acquire lock MUCH faster than the Garmin. Frankly, I think it is either a bug in Garmin s/w, or just poor design of the s/w. The fellow at Garmin did admit one thing to me, and that is that on the 45 they are flat out of memory for increased code.

My solution, use a good antenna and don't lose lock. If you find a better solution, please let us know!

At 05:08 PM 6/4/96 -0500, you wrote:

>I seem to be having a problem with my Garmin 45 that I don't remember
>being mentioned here on the sig.

>

>I had suspected it before, but after this past weekend I'm sure.

>

>If my 45 loses 'lock' it seems to be unable to re-acquire 'lock' without
>POWERING DOWN, THEN POWERING UP. This, of course, requires operator
>attention (to notice the problem) and operator action (to rectify the
>problem)

>

lock' and it took less than one minute!

>

>Has anyone else noticed this?

>

>Richard Amirault N1JDU Boston, Massachusetts USA

>amirault@tiac.net "Go Fly A Kite"

>

>

>

Paul, WD9ABE

From kc6hur@garc.gsfc.nasa.gov Wed Jun 05 08:21:00 1996

Received: from garc.gsfc.nasa.gov (kc6hur@garc.gsfc.nasa.gov [128.183.105.32]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA26653 for <aprssig@tapr.org>; Wed, 5 Jun 1996 08:20:57 -0500 (CDT)

Received: from localhost (kc6hur@localhost) by garc.gsfc.nasa.gov (8.6.11/8.6.9) with SMTP id JAA03023 for <aprssig@tapr.org>; Wed, 5 Jun 1996 09:20:52 -0400
Date: Wed, 5 Jun 1996 09:20:49 -0400 (EDT)

From: Randy Hammock <kc6hur@garc.gsfc.nasa.gov>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1626] Re: Garmin 45 problem?
In-Reply-To: <199606050144.VAA16200@mail.voicenet.com>
Message-ID: <Pine.LNX.3.93.960605091712.2982A-100000@garc.gsfc.nasa.gov>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Jun 1996 mark@y100.com wrote:

> Will try defeating the "power saver" mode, as suggested by KB2TGH, and I'll let
> you know if this makes a difference. I normally use an external 12 V supply --
> it would be nice if Garmin modified the design to automatically shut off the
> "power saver" when external power is present.

The Garmin 45 still looks at the battery level even when external power is
supplied and will shut down if the batteries are weak. This may only be
true for some versions of the 45.

--

Randy Hammock KC6HUR | E-Mail: kc6hur@garc.gsfc.nasa.gov
8951 Tamar Drive, Apt 101 | Voice: +1-410-964-5503
Columbia, MD 21045 |

From sproul@ap.org Wed Jun 05 08:45:24 1996
Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id IAA27291 for <aprssig@tapr.org>; Wed, 5 Jun 1996 08:45:22 -0500 (CDT)
Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4)
id JAA25019; Wed, 5 Jun 1996 09:41:52 -0400
X-Sender: sproul@165.1.6.1
Message-Id: <v03006f04addb3f5df43f@[165.1.27.20]>
In-Reply-To: <199606050050.UAA20484@host.renc.igs.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 5 Jun 1996 09:43:17 -0400
To: aprssig@tapr.org
From: Mark Sproul <sproul@ap.org>
Subject: Re: [APRSSIG:1625] Re: HELP

>It seems all the versions I have tried are DOS . I tried the winaprs
>on the TAPR CD but it tells me the beta test time is up June 1st ,
>then stops . Do you know where I could buy a registered version of
>winaprs ?
>73 Doug Campbell
>Amateur Radio VE3DGC@VA3KS.#EON.ON.CAN.NOAM
>Email dgc@renc.igs.net

Its on TAPR and on aprs.rutgers.edu

Mark Sproul | Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |

sproul@ap.org |Work: 609-860-7120
North Brunswick, NJ |Fax: 609-860-7129
<http://msproul.rutgers.edu/>

From seront@seism1.ess.sunysb.edu Wed Jun 05 09:28:13 1996
Received: from ccm1.sunysb.edu (ccm1.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA29052 for <aprssig@tapr.org>; Wed, 5 Jun 1996 09:28:10 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccm1.sunysb.edu (PMDF V5.0-4 #8051) id <01I5J0IXH6Q89X8LF9@ccm1.sunysb.edu> for aprssig@tapr.org; Wed, 05 Jun 1996 10:27:59 -0400 (EDT)
Received: from corto.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA28837; Wed, 05 Jun 1996 10:27:17 -0400 (EDT)
Date: Tue, 04 Jun 1996 22:27:40 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:1637] Re: Garmin 45 problem?
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960605022740.00738d74@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 08:30 AM 6/5/96 -0500, you wrote:

>
>The Garmin 45 still looks at the battery level even when external power is
>supplied and will shut down if the batteries are weak. This may only be
>>true for some versions of the 45.
>
Not any more, at least for mine, ver 2-43. Works without batteries (before you ask: with external power supply;-).

Just out of curiosity, was the original problematic unit (N1JDU I think) in battery save mode?

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From W2HOB@aol.com Wed Jun 05 10:05:29 1996
Received: from emout13.mail.aol.com (emout13.mx.aol.com [198.81.11.39]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA00596 for <aprssig@tapr.org>; Wed, 5 Jun 1996 10:05:27 -0500 (CDT)
From: W2HOB@aol.com
Received: by emout13.mail.aol.com (8.6.12/8.6.12) id LAA15414 for aprssig@tapr.org; Wed, 5 Jun 1996 11:04:54 -0400
Date: Wed, 5 Jun 1996 11:04:54 -0400

Message-ID: <960605110451_549808523@emout13.mail.aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1637] Re: Garmin 45 problem?

In a message dated 96-06-05 10:00:06 EDT, KC6HUN wrote:

>The Garmin 45 still looks at the battery level even when external power is
>supplied and will shut down if the batteries are weak. This may only be
>true for some versions of the 45.

This is not true with my Garmin GPS-45 Version 2.32.

When using external power, it never shuts down.

Hope this helps.

73 de Boyd w2hob@aol.com

From bruninga@nadm.navy.mil Wed Jun 05 10:52:02 1996

Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA02437 for <aprssig@tapr.org>; Wed, 5 Jun 1996 10:52:00 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id LAA02932; Wed, 5 Jun 1996 11:52:54 -0400

Date: Wed, 5 Jun 1996 11:52:54 -0400 (EDT)

From: Bob Bruninga <bruninga@nadm.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1615] Re: Symbols

In-Reply-To: <Pine.BSF.3.91.960604181058.2021B-100000@laraby.tiac.net>

Message-ID: <Pine.SUN.3.91.960605115059.29939A-100000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Jun 1996, Richard Amirault wrote:

> > I was experimenting the other day and used the WX commands. So far I
> > haven't found how to change back from the WX symbol to something else.

> -----

> That's (another) one of those things about APRS that does not seem to be
> anywhere in the docs or help system.....

APRSDos REPLY COMMENT: Use the INPUT-MY comand. The command you ALWAYS
USE to change anything about your station posit...

de wb4apr@amsat.org

From jagrelo@cris.com Wed Jun 05 11:08:23 1996

Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA02878 for <aprssig@tapr.org>; Wed, 5 Jun 1996 11:08:21 -0500 (CDT)

Received: from darius.cris.com (darius [199.3.12.32])

by franklin.cris.com (8.7.5/(96/05/31 2.38))

id MAA00860; Wed, 5 Jun 1996 12:08:11 -0400 (EDT)

[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059034.concentric.net [206.83.77.34])
by darius.cris.com (8.7.3)
id MAA00871; Wed, 5 Jun 1996 12:07:23 -0400 (EDT)
Message-ID: <31B5DC04.215A@concentric.net>
Date: Wed, 05 Jun 1996 12:12:04 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1640] Re: Garmin 45 problem?
References: <960605110451_549808523@emout13.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

W2HOB@aol.com wrote:

>
> In a message dated 96-06-05 10:00:06 EDT, KC6HUN wrote:
>
> >The Garmin 45 still looks at the battery level even when external power is
> >supplied and will shut down if the batteries are weak. This may only be
> >>true for some versions of the 45.
>
> This is not true with my Garmin GPS-45 Version 2.32.
> When using external power, it never shuts down.
> Hope this helps.
> 73 de Boyd w2hob@aol.com

Ditto!

XX

Agrelo Engineering
Joe Agrelo/President
(518)381-1057
(518)381-1058
E-Mail: Jagrelo@concentric.net
WEB: <http://home.navisoft.com/agrelo/ae.htm>
Designer & Manufacturer of intelligent microprocessor
based Doppler and talking products
Experts in Microchip & Motorola processors
XX

From stevew@eng.adaptec.com Wed Jun 05 11:10:54 1996
Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA03049 for <aprssig@tapr.org>; Wed, 5
Jun 1996 11:10:50 -0500 (CDT)
Received: from eng.adaptec.com ([162.62.20.6]) by milpitas.adaptec.com (4.1/
SMI-4.1)
id AA22509; Wed, 5 Jun 96 09:07:50 PDT
Received: from kona by eng.adaptec.com (4.1/SMI-4.1)
id AA29792; Wed, 5 Jun 96 09:12:27 PDT

Date: Wed, 5 Jun 96 09:12:27 PDT
From: steview@eng.adaptec.com (Steve Wilson x2388)
Message-Id: <9606051612.AA29792@eng.adaptec.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1623] df Jr. and Agrello Engineering

Well, I believe that I am the cause of all the RS232 questions...
so I'm going to relate my ENTIRE experience getting the DFjr
to work and let you all judge for yourself.

I ordered the unit on the first day they were taking orders and
received it about a week after it's original promise date...all
things considered, that ain't bad for a new product.

Construction of the unit was fairly straight-forward even though
the manual is "terse." The manual did an adequate job of explaining
what had to go to where. My only real criticism is that the drawings
that illustrate this were at the very back of the manual and I didn't
know that till after I was already done. (A mention of the drawings
in the text would be a "good thing." ;-)

The "addenda" had been published about two days BEFORE I received my
unit...and I knew the shipping date, so I knew I had to make some
mods. I did try the unit without the antenna mods, and got the
results I expected...they need the mod! Being the impatient type,
I cannibalized another mag-mount doppler system I had, and used the
magnets on the DFjr system.

I took the unit out for a test spin and it worked fairly well on
strong signals...(repeaters being the only thing I really could
find in abundance at 8pm..) This isn't to say that the unit doesn't
work with weak signals...I just haven't had a chance to use it that
way yet.

Saturday rolled around and there was a special event happening that
evening. A friend of mine was hosting his last hunt as the "fox-master"
and I had a special invite to attend. I wanted all the tricks up my
sleeve possible so a couple buddies and I started working on the APRS
mods(a good use of my newly arrived Garmin 45..) We dutifully reversed
one of the modular connectors on the RS232 cable, and removed the solder
jump as described in the addenda.

We plugged everything together and took it out...no joy. So, back to the
barn. I pulled my scope out to the car and started looking at the RS232
interface. The documentation has a pin-out of the RS232 modular jack.
I saw transitions of 0-5V coming on pin 4 of the modular jack. We plugged
the the computer in, and these serial data transitions went away. I looked
at the data coming out of the computers' serial port and saw 24V transitions
like I'd expect on it's transmit line. The computer saw nothing from
the DFjr? After trying different combinations for about an hour I
disappointedly put everything away and started concentrating on
getting ready for the hunt. Needless to say, I was a bit hot

under the collar about the whole situation.

Someone posted a request for info on the DFjr that I replied too on Sunday morning....thus causing the whole string of posts about whether the DFjr has true RS232 or not. I saw all this stuff when I came into work on Monday morning. I took the DFjr to the lab here at work and popped the lid. Sure enough, contrary to what I expected, there was a Max232 there...this chip generates real RS232 levels off of a single 5V supply(I've used em myself previously.) At this point it seemed that my unit probably had a defective Max232 circuit. I dropped another note the the gentleman I had originally replied too updating him on the fact that there really WAS a true RS232 chip in the DFjr, and that something was apparently wrong with my single unit.

Coincidentally, I got a call Monday morning from Agrelo Engineering asking about how they should ship me the antenna update. They had tried to reach me Friday, and hadn't succeeded. We got that business straightened out and I took this opportunity to finally make them aware of the problems I was having. I spoke to Joe directly. We agreed that there probably was a cap in backwards or some such, the Joe was distressed that their testing procedures hadn't caught them...he described these to me in detail, and the procedures SHOULD have caught the problem...they literally plug the unit into a PC and see it send data on the test bench. He also immediately offered to ship me a new control unit! I'm stubborn and wanted to track the culprit down myself...so at lunch time I went home and popped the lid again. I took an ohm meter to each of the caps around the Max232 to determine how they were wired up...and all of the polarities looked right? Next I put power to the unit, and fed an audio signal at it's scan rate into the unit. This should cause RS232 signals...sure enough, there were true RS232 levels now at the unit's RS232 connector. Humm.. at this point my best guess was some sort of cold solder joint. I reheated all of the caps and closed the unit up. I hooked the adapter T back up and plugged in a computer...I still didn't see anything coming out on the computer? Well, there must also be some sort of problem in the cabling or someplace else still. Lunch time was over and I had to get back to work. I dropped another line to Joe telling what I'd found so far and went back to work.

(At this point I was also feeling ALot chagrined cause I hadn't seen my infamous 5V signal anyplace on the unit. I really didn't like the "cold solder joint" theory much...)

That evening after dinner, I went out to my bench at home and attacked the problem again. I plugged everything together and started looking at the adapter with my scope. The first thing I saw was my 5V ghost signal right on pin 4 of the adapters' modular connector. I went back over to the DFjr and looked at pin 4 there and there was a strong 24V transition? I looked at the pin-out again...pin 3 was a N/C? Humm...well, it turns out that the RS232 cable that was

shipped DIDN'T need to be swapped per the addenda! What I was seeing was 5V worth of mutual inductance! When you have a 24V AC signal and another un-terminated line next too it for several feet in the cable...you can see things like that...thus the cause for my wild goose chase. Moral of the story...don't RTFM ;-)

I put the cable back to it's original condition, i.e. un-swapped and everything is working just fine.

There are a couple things I want to say in this post besides the above story. Saturday I was pretty hot under the collar. Sunday wasn't alot better, and the post I sent to the other gentleman complained about paying alot of money for gear that didn't meet spec. That was untrue, though I wasn't aware of it at the time. Agrelo engineering hadn't been given a chance to correct the problem either, it was the weekend. Agrelo engineering did everything reasonable, and then some, to try and take care of my complaints once they were aware of them.

Those are the fact...you guys can judge for yourselves.

73 de Steve KA6S

From jratchf@bulldog.afsc.k12.ar.us Wed Jun 05 13:30:04 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA07241 for <aprssig@tapr.org>; Wed, 5 Jun 1996 13:30:01 -0500 (CDT)
Received: from 4ÿÛ~ø (slip3.afsc.k12.ar.us [170.211.157.178]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id MAA06153 for <aprssig@tapr.org>; Wed, 5 Jun 1996 12:32:38 -0500
Message-Id: <199606051732.MAA06153@bulldog.afsc.k12.ar.us>
Date: Wed, 05 Jun 96 13:28:57 -0700
From: "J. Scott Ratchford" <jratchf@bulldog.afsc.k12.ar.us>
Organization: North Arkansas Amatuer Radio Society
X-Mailer: Mozilla 1.22 (Windows; I; 16bit)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: test msg
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

this is a test msg. I havn't got all this poop figured yet!

From kc5ejk@onramp.net Wed Jun 05 14:31:57 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id OAA09203 for <aprssig@tapr.org>; Wed, 5 Jun 1996 14:31:50 -0500 (CDT)
Received: from [199.1.11.141] (dal141.onramp.net [199.1.11.141]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id OAA20246 for <aprssig@tapr.org>; Wed, 5 Jun 1996 14:31:41 -0500 (CDT)
Message-Id: <v02130500addb9090729b@[199.1.11.111]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Date: Wed, 5 Jun 1996 14:33:31 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Garmin 45 BatterySave mode

>Could someone explain to me the "real" difference between battery saver
>mode and normal mode in the Garmin 45? The manual is very vague about it.

>From the Garmin45 FAQ

-How does BatterySave mode work?

According to Garmin's Tech Support Department- These are a couple of the things the saver does:

1. Stops the unit from trying to re-lock if it loses the birds.
2. Cycles the receiver off and on periodically if you are motionless. (update time)

Ralph Fowler (rwf@mindspring.com)

However, most people feel that the BatterySave mode offers only a modest battery life improvement in general use. If you have a strong signal, it probably does not hurt to leave it in Battery Saver mode. If you change modes, then the unit loses all satellites and must reacquire them (although it happens quickly). Also, as is mentioned in the manual, when you have trouble getting the receiver to lock on the satellites, if you turn the unit off and then on again it often performs better.
[Lane A. Holdcroft]

The RF circuitry draws considerable power. In normal mode it is on continuously. In battery saver mode, after a lock is established and the necessary data downloaded from the required number of satellites, the RF circuitry is turned off for short periods, then back on. If the user's velocity vector is constant during the off period, then when it comes back on, the satellite signals will be right where the receiver expects them to be (in time). When the receiver verifies that, it can go back to sleep again for another short period, saving the batteries. If the signals are not where expected, if the velocity change is small, the receiver can quickly find them by searching either side of the expected time delay. Obviously no change in velocity can be detected while the RF circuitry is off.

|
The conclusion is: If you are going at a nearly steady velocity under a clear sky, use battery saver mode. If you are under trees with marginal signals, or want the fastest possible response to velocity and direction change, use normal mode.

|
Larry James (lwjames@csn.net)
|

Here is another person's explanation:

The battery saver mode cycles the receiver portion of the GPS on for one second and off for two (then repeats) to conserve power. The CPU portion of the GPS is on continuously and interpolates speed/position during the off cycle. If the GPS has a hard time keeping up with speed/heading changes (i.e. a "high dynamics" situation) then Battery Save will automatically be overridden in favor of Normal mode operation. It will revert back to Battery Save operation (again automatically) once speed/heading readings stabilize.

Battery Save mode will not affect the units ability to lock onto satellites or its ability to re-lock if it loses satellites.

I always use normal mode and have not seem these problems,
but have seen high RF turn on the Garmin-45 when I had it off.
-Bob-

73

Bob - Dallas, TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From sguccione@outland.dtcc.edu Wed Jun 05 14:41:46 1996
Received: from outland.dtcc.edu (sguccione@outland.dtcc.edu [138.123.12.201]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA09730 for <aprssig@tapr.org>; Wed, 5 Jun 1996 14:41:44 -0500 (CDT)
Received: (from sguccione@localhost) by outland.dtcc.edu (8.6.11/8.6.11) id PAA17386; Wed, 5 Jun 1996 15:41:36 -0400
Date: Wed, 5 Jun 1996 15:41:36 -0400 (EDT)
From: Dr Samuel Guccione <sguccione@outland.dtcc.edu>
X-Sender: sguccione@outland
To: aprssig@tapr.org
Subject: USGS CDRoms
Message-ID: <Pine.SV4.3.91.960605153917.17305B@outland.dtcc.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just a note to anyone intending to order a CDROM from Map Express. The Region 2 CD's are out of stock. They were not sure when they will get them. Also, the CD's are now \$52 each (up from \$38 in the APRS documentation). Anyone have a Region 2 CD for sale?

Sam K3BY

PS: I am looking for a 1:2M CD for the same region (opt version of course).

From ssable@ic.net Wed Jun 05 14:54:54 1996
Received: from ic.net (root@falcon.ic.net [152.160.101.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA10194 for <aprssig@tapr.org>; Wed, 5 Jun 1996 14:54:52 -0500 (CDT)
Received: from ssable by ic.net with smtp
(Smail3.1.28.1 #6) id m0uR0fH-003Fe6C; Wed, 5 Jun 96 15:54 WET DST

Message-Id: <m0uR0fH-003Fe6C@ic.net>
X-Sender: ssable@ic.net
X-Mailer: Windows Eudora Pro Version 2.1.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 05 Jun 1996 15:54:14 -0400
To: aprssig@tapr.org
From: Steve Sable <ssable@ic.net>
Subject: Ultimeter 500

A word of thanks to Peet Bros for helping with interfacing my Ultimeter 500 to my computer. I have had the 500 since January but could not get the data to the computer. Many people offered suggestion's and Peet Bros replaced almost every piece of equipment to no avail. Finally at Dayton I had a chance to talk to them and found out they just developed a new data cable from the wx keypad to the computer. Seem's some newer computer's have some different voltage's or something. AT any rate it all works now.

```
      \\\\  
      (o^o)  
=====00o== (_) ==o00=====
```

| It doesn't get any better than this! (ssable@ic.net) |
| http://ic.net/~ssable |
=====

From cdavidso@hemisphere.neocomm.net Wed Jun 05 15:32:59 1996
Received: from hemisphere.neocomm.net (root@hemisphere.neocomm.net [205.160.234.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA11700 for <aprssig@tapr.org>; Wed, 5 Jun 1996 15:32:57 -0500 (CDT)
Received: from Axton (ppp29.neocomm.net [205.160.234.29]) by hemisphere.neocomm.net (8.6.11/8.6.9) with SMTP id PAA13739 for <aprssig@tapr.org>; Wed, 5 Jun 1996 15:37:53 -0400
Message-Id: <199606051937.PAA13739@hemisphere.neocomm.net>
Comments: Authenticated sender is <cdavidso@hemisphere.neocomm.net>
From: "Charles W. Davidson" <cdavidso@hemisphere.neocomm.net>
Organization: Axton Acme
To: aprssig@tapr.org
Date: Wed, 5 Jun 1996 15:26:18 +0000
Subject: Re: [APRSSIG:1619] Re aprs with old tandu laptop?
Reply-to: cdavidso@hemisphere.neocomm.net
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.01)

Just thought I would mention, I run APRS74 on a PCjr with 640 base memory. I disconnected the internal 360 floppy and outboarded a 720k floppy drive. Using dos 3.3, I was able to make a boot disk that includes enough of APRS and one map to work just fine. This allows for automatic reboot in power outages.

Of course with a separate boot disk and aprs disk it would be possible to add support for other APRS features and more maps.

A mobile running on floppy (s) could easily have different floppys

made up to insert to cover maps for a long journey.

However I have not been able to run APRS on my HP-95, I guess I need more memory.

Charles

cdavidso@neocomm.net
http://www.neocomm.net/~cdavidso/
WB4PAN@WB4Q0J.VA.USA.NOAM

From amirault@laraby.tiac.net Wed Jun 05 18:36:24 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA17735 for <aprssig@tapr.org>; Wed, 5 Jun 1996 18:36:20 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id TAA11864; Wed, 5 Jun 1996 19:36:14 -0400
Date: Wed, 5 Jun 1996 19:36:14 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1637] Re: Garmin 45 problem?
In-Reply-To: <Pine.LNX.3.93.960605091712.2982A-100000@garc.gsfc.nasa.gov>
Message-ID: <Pine.BSF.3.91.960605193418.11560C-100000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Jun 1996, Randy Hammock wrote:

>
> The Garmin 45 still looks at the battery level even when external power is
> supplied and will shut down if the batteries are weak. This may only be
> true for some versions of the 45.
>

When I run my 45 from external power there is *no* battery condition indicator on the left side of the screen (as is shown when under internal power), but I have seen other 45s that *do* show the battery level with external power. (didn't check the version numbers....darn)

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From amirault@laraby.tiac.net Wed Jun 05 18:39:07 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA17761 for <aprssig@tapr.org>; Wed, 5 Jun 1996 18:39:02 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id TAA11940; Wed, 5 Jun 1996 19:38:58 -0400
Date: Wed, 5 Jun 1996 19:38:58 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
cc: seront@seism1.ess.sunysb.edu
Subject: Re: [APRSSIG:1639] Re: Garmin 45 problem?
In-Reply-To: <2.2.32.19960605022740.00738d74@seism1.ess.sunysb.edu>

Message-ID: <Pine.BSF.3.91.960605193755.11560D-100000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Jun 1996, Bernard Seront wrote:

>
> Just out of curiosity, was the original problematic unit (N1JDU I think) in
> battery save mode?

Nope! I checked! It was in *normal* mode.

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From amirault@laraby.tiac.net Wed Jun 05 18:49:21 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id SAA18089 for <aprssig@tapr.org>; Wed, 5 Jun 1996
18:49:15 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id
TAA12052; Wed, 5 Jun 1996 19:49:12 -0400
Date: Wed, 5 Jun 1996 19:49:11 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1641] Re: Symbols
In-Reply-To: <Pine.SUN.3.91.960605115059.29939A-100000@arctic>
Message-ID: <Pine.BSF.3.91.960605194208.11560E-100000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Jun 1996, Bob Bruninga wrote:

> > -----
> > That's (another) one of those things about APRS that does not seem to be
> > anywhere in the docs or help system.....
>
> APRSdos REPLY COMMENT: Use the INPUT-MY comand. The command you ALWAYS
> USE to change anything about your station posit...

Well, I've said it before... Bob, you have a *heck* of a good program! I
run *two* 24hr APRS stations, plus my occasional tracker. I'm not a 'new
user' but there are things I still can't figure out, and apparently I'm
not the only one.

The 'on line' help system is minimal, and could stand gobs of improvement.
(and I don't count the ability to read the "readme" files withing APRS as
'on line' help)

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From rwf@mindspring.com Wed Jun 05 20:34:47 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA21691 for <aprssig@tapr.org>; Wed, 5

Jun 1996 20:34:44 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com
with SMTP id VAA14613 for <aprssig@tapr.org>; Wed, 5 Jun 1996 21:34:35 -0400
Date: Wed, 5 Jun 1996 21:34:35 -0400
Message-Id: <2.2.16.19960605115139.2feff9e2@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:1649] Re: Garmin 45 problem?

Richard said:

>When I run my 45 from external power there is *no* battery condition
>indicator on the left side of the screen (as is shown when under internal
>power), but I have seen other 45s that *do* show the battery level with
>external power. (didn't check the version numbers....darn)

Yes, it was changed in a recent version (2.43, I think). Users had no way
to know that external power was good or bad (unless it was bad and they
finally ran the batteries down). So Garmin made the bar graph go away when
external power was present.

I was glad to see it.

None of my Garmin 45s (I have had 2) stopped working when the inside
batteries died (unless the external power was not good)

Ralph

PS- FT Lauderdale, FL APRS Dinner Bunch tomorrow (Thurs) at Pollo Tropical
on US 1 just South of 17th ST and just North of the Airport. 7:30 PM.
Questions? call during day Thrsday at my Hollywood Office (954) 986-3183.

>
>Richard Amirault N1JDU Boston, Massachusetts USA
>amirault@tiac.net "Go Fly A Kite"
>
>

From JKHAM@delphi.com Wed Jun 05 20:59:35 1996
Received: from bos1h.delphi.com (SYSTEM@bos1h.delphi.com [192.80.63.8]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA22385 for <aprssig@tapr.org>; Wed, 5
Jun 1996 20:59:33 -0500 (CDT)
Received: from delphi.com by delphi.com (PMDF V5.0-7 #10880)
id <01I5KCNWSPN48Y7930@delphi.com> for aprssig@tapr.org; Wed,
05 Jun 1996 21:59:29 -0500 (EST)
Date: Wed, 05 Jun 1996 21:59:29 -0500 (EST)

From: "John F. Kraus II" <JKHAM@delphi.com>
Subject: [APRSSIG:1581] Re: APRS WX stuff
To: aprssig@tapr.org
Message-id: <01I5KCNWSZAQ8Y7930@delphi.com>
X-VMS-To: INTERNET"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

On 3-JUN-1996 21:57:21.2 aprssig said to JKHAM

>> > hasan schiers, NOAN <schiers@ames.net> wrote:

>>

>> >> They just called me (NWS). Here is their "official" reporting

>standard: > >>

>> >>1. For 24 hour period precip is reported at 1200 UTC...no change

>This seems to meet > both criteria: ease of programming and agreement
>with NWS. >

>> If that really is the question, then I would

>> like APRS to stick to NWS definitions, so we can compare what is

>reported > by the NWS to our own experience. 73,

>> hasan schiers, NOAN--

>> -----

>> schiers@ames.net

>> -----

>I agree, I also would like for us to stick to the NWS definitions.

>Don

Just my two cents worth. I agree we should use the NWS standard as
it will enhance acceptance of APRS within the emergency response
community and improve intelligibility of the output data.

John F. Kraus II <JKHAM@DELPHI.COM> OR <KC4ZGQ@IX.NETCOM.COM>

`[1;33;45mRainbow V 1.19.2 for Delphi - Test Drive

From jneely@eden.com Wed Jun 05 21:14:23 1996

Received: from natashya.eden.com (root@natashya.eden.com [199.171.21.14]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA23144 for <aprssig@tapr.org>; Wed, 5
Jun 1996 21:14:20 -0500 (CDT)

Received: from matrix.eden.com (root@matrix.T10.nfs.eden.com [206.81.225.193]) by
natashya.eden.com (8.7.4.1/8.7.1.1) with ESMTP id VAA14673 for <aprssig@tapr.org>;
Wed, 5 Jun 1996 21:14:15 -0500 (CDT)

Received: from net-4-157.austin.eden.com (net-4-157.austin.eden.com
[206.81.226.157]) by matrix.eden.com (8.7.4.1/8.7.1.1) with SMTP id VAA11807 for
<aprssig@tapr.org>; Wed, 5 Jun 1996 21:14:13 -0500 (CDT)

Message-Id: <199606060214.VAA11807@matrix.eden.com>

From: "Jim Neely" <jneely@eden.com>

To: "aprssig@tapr.org" <aprssig@tapr.org>

Date: Wed, 05 Jun 96 21:11:30 -0500

Reply-To: "Jim Neely" <jneely@eden.com>

Priority: Normal

X-Mailer: Jim Neely's Registered PMMail 1.5

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Subject: Garmin 45 strange antics

My Garmin 45 is back at Garmin for the second time in the last 2 months. It quit acquiring lock. Powering down had no affect on the problem. Battery save mode had no affect on the problem. It runs on external power 99% of the time.

When the problem occurs, the GPS 45 will shut itself down after about 15-20 minutes and no satellites acquired. There is no indication at all on the S-meter display when it is having a bad time. I have tried for a couple of days at a time before sending it back to Garmin.

I bought the GPS 45 last summer and used it continually on the dash of my truck or my wife's minivan. It worked fine on a trip through NM, AZ & CO.

Garmin had the unit back to me in 2 weeks, and it worked fine for a couple of months. They gave me no explanation of what was done to fix it. I'll ask this time.

73...jn

Jim Neely
jneely@eden.com WA5LHS@tapr.org

From rwilkins@ccnet.com Thu Jun 06 05:49:48 1996
Received: from ccnet.ccnet.com (root@ccnet.ccnet.com [192.215.96.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA15904 for <aprssig@tapr.org>; Thu, 6 Jun 1996 05:49:46 -0500 (CDT)
Received: from ccnet3 (rwilkins@ccnet3.ccnet.com [192.215.96.11]) by ccnet.ccnet.com (8.6.12/8.6.12) with SMTP id DAA03252 for <aprssig@tapr.org>; Thu, 6 Jun 1996 03:44:27 -0700
Date: Thu, 6 Jun 1996 03:46:27 -0700 (PDT)
From: Bob Wilkins n6fri <rwilkins@ccnet.com>
X-Sender: rwilkins@ccnet3
To: Aprs <aprssig@tapr.org>
Subject: Internet <--> Packet
Message-ID: <Pine.SUN.3.91.960606033723.29985B-100000@ccnet3>
X-URL: <http://www.ccnet.com/~rwilkins/>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I found an interesting software program that uses internet phone

<http://www.onramp.net/swta/rptrlink/>

this is a way to talk on remote repeaters and use remote packet stations.

Someone here might have some fun trying to link to a distant 145.01 radio

Hey Bill I haven't tried it yet, see what you can do with it!

Bob Wilkins	home	n6fri@uhf.org
Berkeley Hills, California	work	bob@cave.org
CM87uv	play	n6fri@n0ary.#nocal.ca.usa.noam

From wnolle@ix.netcom.com Thu Jun 06 08:14:29 1996
Received: from dfw-ix6.ix.netcom.com (dfw-ix6.ix.netcom.com [206.214.98.6]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA19730 for <aprssig@tapr.org>; Thu, 6 Jun 1996 08:14:27 -0500 (CDT)
Received: from LOCALNAME (hun-a11-24.ix.netcom.com [205.184.6.56]) by dfw-ix6.ix.netcom.com (8.6.13/8.6.12) with SMTP id GAA08211 for <aprssig@tapr.org>; Thu, 6 Jun 1996 06:13:54 -0700
Message-ID: <31B6F5A4.11FE@ix.netcom.com>
Date: Thu, 06 Jun 1996 08:13:40 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1655] Internet <--> Packet
References: <Pine.SUN.3.91.960606033723.29985B-100000@ccnet3>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Wilkins n6fri wrote:

>
> I found an interesting software program that uses internet phone
>
> <http://www.onramp.net/swta/rptrlink/>
>
> this is a way to talk on remote repeaters and use remote packet stations.
>
> Someone here might have some fun trying to link to a distant 145.01 radio
>
> Hey Bill I haven't tried it yet, see what you can do with it!
>
> Bob Wilkins home n6fri@uhf.org
> Berkeley Hills, California work bob@cave.org
> CM87uv play n6fri@n0ary.#nocal.ca.usa.noam
>
> Well this looks really promising, i have used Iphone on several occasions
to talk on several repeaters> I do have the hardware setup to do this and
looks like this may very well be useable for remote APRS. Thnaks for the
web site info.

Bill KE4EER
wnolle@ix.netcom
<http://www.netcom.com/~wnolle>

From wbliss@coastside.net Thu Jun 06 11:05:14 1996

Received: from poseidon (root@poseidon.coastside.net [205.162.38.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA24935 for <aprssig@tapr.org>; Thu, 6 Jun 1996 11:05:05 -0500 (CDT)

Received: from LOCALNAME ([205.162.38.71]) by poseidon (8.6.11/8.6.12) with SMTP id JAA07590; Thu, 6 Jun 1996 09:02:52 -0700

Date: Thu, 6 Jun 1996 09:02:52 -0700

Message-Id: <199606061602.JAA07590@poseidon>

X-Sender: wbliss@mail.coastside.net (Unverified)

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: wb4apr@amsat.org

From: "William B. Bliss/WB6LPG" <wbliss@coastside.net>

Subject: gps20/mim Power requirements.

Cc: aprssig@tapr.org

Hi Bob,

Reading tech specs on your GPS20 Sensor Board handout, under 1.3.3

Electrical Characteristics:

1. Input voltage: +5VDC +/- 5% regulated, 50mVp-p ripple.
2. Draws less than 180mA @5 VDC.etc

Will the GPS20 take 5V to 40DC like the GPS45 or 5V DC to 12Vdc, and similar to the MIM module.

To take required 5VDC from MIM for the G20, MIM uses 15mA leaving 85mV at +5V, which not enough for the G20 if it uses 180mA..

Can the MIM power also run the G20, or is a seperate regulated 5V supply at from 5V-40V required for the G20. ???

Want to package the two together for nice small unit, but concerned about appropriate power supply, or does GPS20 have its own 5-40 regulated 5VD ??, and just not mentioned on the spec sheet. .

Thanks for clearing up my puzzlement. Have both on order and have also received the KD6PBH GPS display kit for the Magnovox 4200 and this unit. Place Dispaly on cars dash board, to insure unit putting out good data and visual info right in front view while driving. Easier than lookin at a Laptop on seat.

Thanks much 73's & Enjoy, Bill/WB6LPG

NNNN

WBB/WB6LPG

From bruninga@nadn.navy.mil Thu Jun 06 11:16:45 1996

Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA25019 for <aprssig@tapr.org>; Thu, 6 Jun 1996 11:16:40 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id MAA03052; Thu, 6 Jun 1996 12:17:34 -0400

Date: Thu, 6 Jun 1996 12:17:33 -0400 (EDT)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

Subject: APRS76b.zip

Message-ID: <Pine.SUN.3.91.960606121439.2606B-100000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I just uploaded 76b to tapr.org in tapr/SIG/aprssiG/files/upload
When I log off here, I will prepare the 76to76b.zip file and upload that
this evening...

NEWNOTES.TXT * * * * NEW STUFF ADDED IN EACH NEW VERSION * * * *

Ver 76b: MAPFIX25 now uses a BUS MOUSE and has 10 times faster FIND cmd
* Fixed DFjr interface so that GPS and DF unit work together. See DF.txt
* Added main menu to bottom of most APRS screens.

Ver 76a: Mapfix24 has 10 times faster TASK-TRIM and has a new command
called EDIT-SPLIT for splitting a long feature in two.
* New program CKMAPLST.bas will compare your MAPLIST to all the files
in a given directory and list missing files or missing entries!
* Fixed problem with WX stations fading to gray after 2 hrs
* Fixed DAVIS WX reports with bad baro if no baro present
* Fixed MPH display
* Fixed it so FLUX Compass displays heading even if speed is zero
* Fixed it so that alt-S-GPS-NO-GPS will NOT cause you to fade to gray
* Mic Encoders will now trip ALARM if message 6 or 7

Ver 76: Dayton 96 version (4k larger than 75c)
* Added Davis Weather Monitor
* You must twiddle your alt-S-OTHER-AvgGndLevel to get the proper
conversion of your barometer reading for the Davis.
* Added Agrelo DF Junior interfaces
* Now displays your course and speed if GPS connected...
* Added ACARS.bk to show how APRSair.exe tracks the Airlines on 131.55 MHz

From w5rkn@amsat.org Thu Jun 06 13:24:59 1996
Received: from zoom.bga.com (zoom.realtime.net [205.238.128.40]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA29482 for <aprssiG@tapr.org>; Thu, 6 Jun 1996
13:24:57 -0500 (CDT)
Received: from [204.251.33.67] (jake-6c.ip.realtime.net [204.251.33.67]) by
zoom.bga.com (8.6.12/8.6.12) with SMTP id NAA07414 for <aprssiG@tapr.org>; Thu, 6
Jun 1996 13:24:50 -0500
X-Sender: rparsons@mailserv.bga.com (Unverified)
Message-Id: <v02140b00addcd121df89@[204.251.33.4]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 6 Jun 1996 13:24:45 -0500
To: aprssiG@tapr.org
From: w5rkn@amsat.org (Ronald G. Parsons)
Subject: GPR-20 and the connector from Hell

Lay off coffee for a week, buy a soldering iron half the size of your
smallest one, get .001 solder and proceed SLOWLY.

Use the minimum solder possible being careful not to wick up to the front
of the insert clip. Trim off the excess crimp tabs (I didn't have a crimper
to fit). The rear of the clip MUST be narrow. Make sure you are inserting

the clip into the correct slot.

I had no UNRECOVERABLE disasters. I'd have paid big bucks to get that connector pre-assembled.

Ron W5RKN

also:

rparsons@bga.com

From wd5ivd@tapr.org Thu Jun 06 14:40:01 1996
Received: (from wd5ivd@localhost) by tapr.org (8.7.5/8.7.3/1.9) id 0AA02352 for aprssig@tapr.org; Thu, 6 Jun 1996 14:40:01 -0500 (CDT)
From: Greg Jones <wd5ivd@tapr.org>
Message-Id: <199606061940.0AA02352@tapr.org>
Subject: Round 2 of Garmin GPS-20
To: aprssig@tapr.org (BBS SIG mailing)
Date: Thu, 6 Jun 1996 14:40:00 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]
Content-Type: text

TAPR offers group GPS purchase (round 2) 6/6/96

TAPR will be making another group purchase on the Garmin 20 GPS units.

For full details on the purchase as well as information regarding the unit, please see the following web page <http://www.tapr.org/gps>

The price will be:

\$169.00 US for members of TAPR

or

\$179.00 US for non-members

This kit will include:

- * Garmin GPS-20 (MultiTrac8 sensor) engine (1.83" x 2.74" x .45")
The Garmin GPS-20 is similar to the Garmin GPS-45
- * RF pig tail with connector for unit
(one end is the MCX male connector
and the other end will be non-connected - see below)
- * power/data cable with connector shell and pins
(The connector is a subminiature PCB edge connector
and will need to be built - see below)
- * Documentation

TAPR will be taking orders for 75 units, which is the minimum purchase this round. Once 75 units have been purchased, TAPR will order the Garmin units.

TAPR will deposit money when the units are ordered from Garmin and ship when all components have been gathered. Unlike the first order, we do not know

how long it will take to fill the 75 orders, although orders continue to be made from the last batch.

We had a number of people asking for the altitude option to be set for higher

usage and we will check with Garmin on that on this batch of orders -- but no promises :-)

Please note: This is not an enclosed/sealed unit. It is assumed that the purchasers will be installing the unit in another enclosure for normal and experimental operations.

No 10% Discount for TAPR Members. Due to the nature of the purchase, the \$169 purchase price for TAPR members represents the membership discount.

If you would like to order one of these units, you can

e-mail tapr@tapr.org,
phone (817) 383-0000, or
fax (817) 566-2544.

Office Hours: Tuesday - Friday 9am - 12pm, 3pm - 5pm Central Time

Payment method is required upon placement of order (Visa/MC, check, MO, etc).

These units will be useful with current APRS software and the upcoming TAC (Totally Accurate Clock) kit that Tom Clark, W3IWI, has begun discussing with TAPR to do as a kit in the future. For more on the TAC project check: <ftp://aleph.gsfc.nasa.gov/GPS/totally.accurate.clock/>

Questions concerning the unit and details on the buy will be handled on the TAPR APRS Special Interest Group list. To subscribe, send e-mail to:

listserv@tapr.org.

In the message type

subscribe aprssig YourFirstName YourLastName.

The server will then send you a message back. Announcements on the status of the shipment will be made to the TAPR APRS SIG and TAPR-BB lists.

Shipping and Handling

* Shipping and Handling within the US will be \$7.00 US
by UPS Ground unless otherwise requested by purchaser.

* International Shipping will need to contact the TAPR office and get a quote on the shipping to your country. TAPR uses International Express Mail, unless the purchaser requires something else.

General Information

All Garmin engines come complete with DGPS input capability (see note below), PPS timing output and lithium 3V battery on board.

MultiTrac8: Tracks and uses up to 8 satellites for accurate, reliable GPS data at an incredibly low 1 watt power consumption. Unit has and a real time clock, PPS timing and nonvolatile memory right on the board.

Footprint (1.83" x 2.74" x .45")

Architecture Patented MultiTrac8

Time to first fix	
reacquisition	< 2 sec
warm	20 sec
cold	2 min
sky search	15 min
update rate	1 sec continuous

Dynamics	
velocity	999 knots
acceleration	3 g
jerk	20 m/s ³

Datums	102 predefined, 1 user defined
--------	--------------------------------

Electrical	
input voltage	5.0V DC +- 5% regulated (a suitable regulator should be used)
power consumption	0.8 watts
backup	on board 3V lithium (10 year lifetime)
sensitivity	-166 dBW

Connector	
antenna	50 ohm MCX female connector for active (5V DC @ 15ma) or passive antenna
power/data	single row, right angle 12 pin male

Physical	
configuration	1 integrated board engine
size	1.83"W X 2.75"L X 0.45"H
weight	1.1 oz
op temp	-30 deg C - 80 deg C (remove Li battery for extended usage above 80 deg

C)	
storage temp	-40 deg C - 85 deg C

Interface	
compatibility	2 RS-232 serial ports
data rate	User selectable baud rate

	1200/2400(tx only)/4800/9600
format	NMEA 0183 v.2.0, ASCII
inputs	Initial position, date and time (not required), 2D/3D & earth datum command, RTCM-104 v.2.0 differential
outputs	Position, velocity & time, receiver and satellite status, geometry and error estimates
timing output	Timing output with +/- 1 microsecond accuracy

Frequently Asked Questions

-
- * Any altitude limitations?
The GPS engines will deactivate themselves above 50,000 feet.
 - * The Garmins only send out final solutions (NMEA sentences).
There is no other data available from them (including preprocessing data).
 - * The Multitrak8 has only one channel, but is multiplexed.
 - * The Multitrak8 can accept DGPS signals (see note below).
 - * Antenna options (which can be purchased directly from Garmin if required) include:
 - mag mount
 - flange mount (bolt to a car)
 - trunk clip
 - suction cup mounted
 - * The unit has true time clocks, PPS timing, and nonvolatile memory on board.
 - * The interface is NMEA 0183 (TTL levels) and RS232 (+ and - 15 volts)
 - * The unit can be powered by AA batteries.
Batteries or external supplies will require a suitable power regulator.
 - * The unit only gives NMEA sentences as output, no extraction of RTCM-104 data.
 - * There's no problem with the antenna being close to the boards.
All sensitive components are shielded.
 - * The unit has a LNAs and you can use passive antennas.
You need to keep the antenna runs short however.
 - * The antenna is attached with a MCX connector, which is a friction lock connector. A male MCX connector with short RF cable is included in the kit purchase.
 - * There's a header for connecting the data cables.

A connector and cable will be included in the kit (it will need to be soldered). The connector is a subminiature PCB edge connector. This is not the same connector as used with many hand-held units.

- * You cannot adjust the intervals that the boards outputs data. However, you can adjust their baud rate. At 4800 the boards repeat data every 2 seconds. At 9600 baud, data is repeated every 1 second.
- * The boards do adjust for leap seconds (via the satellites).
- * For DGPS, since these are just the boards, you can't use the Garmin DGPS receivers. The Garmin units get tuning instructions from the GPS keyboard (which are not on the boards). To receive DGPS signals, you'll need a tunable beacon receiver. Correction signals are sent in through the data in cable (just like the handhelds).

Tucson Amateur Packet Radio
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org web: http://www.tapr.org

From bruninga@nadm.navy.mil Thu Jun 06 16:43:46 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA06935 for <aprssig@tapr.org>; Thu, 6 Jun 1996 16:43:42 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id RAA23348; Thu, 6 Jun 1996 17:44:34 -0400
Date: Thu, 6 Jun 1996 17:44:33 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: NE Florida?
Message-ID: <Pine.SUN.3.91.960606174341.22555D-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

----- Forwarded message -----

From: BordingK@aol.com
To: bruninga@nadm.navy.mil

I saw something on the SIG by someone reference APRS and the Baldwin, (FL?) ARC. Are you aware of any NE FL ARPS, 'cause I keep a scanner on 145.79 and it's never gone off once!

Ken Bording KF4COH

From N2ZRC@gnn.com Thu Jun 06 17:52:29 1996
Received: from mail-e2b-service.gnn.com (mail-e2b-service.gnn.com [204.148.102.170]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA09168 for <APRSSIG@tapr.org>; Thu, 6 Jun 1996 17:52:25 -0500 (CDT)

Received: from 9-10.client.gnn.com. (9-10.client.gnn.com [205.188.9.10]) by mail-e2b-service.gnn.com (8.7.1/8.6.9) with SMTP id SAA08406 for <APRSSIG@tapr.org>; Thu, 6 Jun 1996 18:51:45 -0400 (EDT)
Message-Id: <199606062251.SAA08406@mail-e2b-service.gnn.com>
X-Mailer: GNNmessenger 1.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 06 Jun 1996 18:51:45
From: Arte Booten <N2ZRC@gnn.com>
To: APRSSIG@tapr.org
Subject: Field Day

Hi All,

As co-chairperson of my club's Field Day committee, I'll be setting up APRS at our Field Day site in Putnam County NY as a WIDE. As many of you in the New York-New Jersey-Connecticut area already know, there is (what I refer to as) a APRS-Black Hole there. I've distributed MANY copies of APRS to club members in the past but it's a hilly area with few stations on APRS (YET!) I'll be informing them of this fact and, since the Field Day site is also the club's repeater site (it's the 145.130 machine) I hope to do fairly well.

The "new" 286 laptop I picked up at the Rochester Hamfest will be put into service for the first "serious" time and, if all works out as hoped, a new geographic area for APRS will be connected to the rest of the network (at least during Field Day) for the first time. Since I'm a "no-code" and since the guy who was in charge of packet contacts last year came out bust, I'm looking forward to getting a few *ACK*s and convincing the club to (puh-leeeeeeeeeeease!) put up a WIDE digi at that site on a full-time basis. Wish me luck. 73 de

Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)
(Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

Target those coordinates and fire quantum torpedoes.....

From n2czf@gate.net Thu Jun 06 19:27:23 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA12445 for <aprssig@tapr.org>; Thu, 6 Jun 1996 19:27:20 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.176 (wpbfl2-49.gate.net [199.227.125.176]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id UAA21900 for <aprssig@tapr.org>; Thu, 6 Jun 1996 20:27:06 -0400
Date: Thu, 6 Jun 1996 20:27:06 -0400
Message-Id: <199606070027.UAA21900@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1661] NE Florida?
To: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.960606174341.22555D-1000000@arctic>
X-Mailer: SPRY Mail Version: 04.00.06.17

Just this morning I saw some ducting from the NW FL area in West Palm Beach which is quite a haul! 3 Digi's were spotted and there are users as far as I know. There is also a digi in the Jacksonville FL area, KA4TAR-7.

On Thu, 6 Jun 1996, Bob Bruninga <bruninga@nadn.navy.mil> wrote:

>
>----- Forwarded message -----
>From: BordingK@aol.com
>To: bruninga@nadn.navy.mil
>
> I saw something on the SIG by someone reference APRS and the Baldwin,(FL?)
>ARC. Are you aware of any NE FL ARPS, 'cause I keep a scanner on 145.79 and
>it's never gone off once!
>
>Ken Bording KF4COH
>
>
>
73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.
Steven Wright

From khufford@erols.com Thu Jun 06 20:45:30 1996
Received: from smtp2.erols.com (root@smtp2.erols.com [205.252.116.102]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA15144 for <aprssig@tapr.org>; Thu, 6 Jun 1996 20:45:28 -0500 (CDT)
Received: from khufford.erols.com (as18s07.erols.com [206.161.170.135]) by smtp2.erols.com (8.7.3/8.6.5) with SMTP id VAA02102 for <aprssig@tapr.org>; Thu, 6 Jun 1996 21:45:25 -0400 (EDT)
Message-Id: <199606070145.VAA02102@smtp2.erols.com>
X-Sender: khufford@pop.erols.com (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 07 Jun 1996 01:45:30 -0400
To: aprssig@tapr.org
From: Kent V Hufford <khufford@erols.com>
Subject: DOA PicoPacket

Hi, all. Just got a PacComm PicoPacket w/second serial port in the mail.

Seems to be Dead on Arrival (DOA). Maybe someone out here can help.

When I put 12dc to the power connector (I checked polarity first) , then turn on the on/off switch, all I get is the CON lite. No LED blinking or any other lites.

The manual says in that case to check with a "good oscilloscope" p93 of U1. I did not buy a "good Oscilloscope".

So, on to the next help. I checked pin32 of U6 for 4.7 volts, it has 4.9.

It also says that U6 is the 128K RAM. The current advertising says the PicoPacket w/second serial port comes with 128k ram. A slip of paper in my box that the TNC came said "Ram greater than 32k is not yet supported". So, there is NO 128k chip in the TNC. But it does have a U6 header..

Any ideas, other than back to PACCOM?

thanks in advance.

Kent

KQ4KK

From wnolle@ix.netcom.com Thu Jun 06 21:16:48 1996
Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA15883 for <aprssig@tapr.org>; Thu, 6 Jun 1996 21:16:41 -0500 (CDT)
Received: from LOCALNAME (hun-a11-27.ix.netcom.com [205.184.6.59]) by dfw-ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id TAA00807 for <aprssig@tapr.org>; Thu, 6 Jun 1996 19:16:02 -0700
Message-ID: <31B7ACFE.3172@ix.netcom.com>
Date: Thu, 06 Jun 1996 21:15:58 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Bug i think
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob just installed version 76b and i found that when i place an object on the map with a speed lets say of 35 mph it doesn't move on my map, but it does on the other fellow i was testing with. He was running a Mac. Now i attempted this several times with weather objects and like i said they NEVER move on my own map.

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>

From z004391b@bcfreenet.seflin.lib.fl.us Thu Jun 06 21:23:27 1996
Received: from pbfreenet.seflin.lib.fl.us (root@pbfreenet.seflin.lib.fl.us

[199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA16377 for <aprssig@tapr.org>; Thu, 6 Jun 1996 21:23:21 -0500 (CDT)
Received: from bcfreenet.seflin.lib.fl.us (z004391b@bcfreenet.seflin.lib.fl.us [199.227.192.20]) by pbfreenet.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id WAA02273 for <aprssig@tapr.org>; Thu, 6 Jun 1996 22:22:16 -0400
Received: (from z004391b@localhost) by bcfreenet.seflin.lib.fl.us (8.6.12/8.6.12) id WAA26742; Thu, 6 Jun 1996 22:22:05 -0400
Date: Thu, 6 Jun 1996 22:22:04 -0400 (EDT)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:1613] Garmin 45 problem?
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <Pine.BSF.3.91.960604175834.2021A-100000@laraby.tiac.net>
Message-ID: <Pine.3.89.9606062237.A19073-0100000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

That happened on my Garmin 75 a couple of times over the last two years.

John W. Wilson
z004391b@bcfreenet.seflin.lib.fl.us

On Tue, 4 Jun 1996, Richard Amirault wrote:

> I seem to be having a problem with my Garmin 45 that I don't remember
> being mentioned here on the sig.
>
> I had suspected it before, but after this past weekend I'm sure.
>
> If my 45 looses 'lock' it seems to be unable to re-acquire 'lock' without
> POWERING DOWN, THEN POWERING UP. This, of course, requires operator
> attention (to notice the problem) and operator action (to rectify the
> problem)
>
> I would say that *most* folks don't have the specific problem that city
> dwellers have of driving thru long tunnels, and on the lower 'deck' of a
> 2 deck bridge (or raised roadway)
>
> I drove from Boston, down to R.I. last weekend with my tracker up and
> running. I didn't notice anything wrong (I was paying attention to
> driving more than reading my GPS screen) untill late in the afternoon
> after I had been parked for hours. There was a notice to check the
> message screen. When I did, it told me something to the effect of "Unit
> is unuseable. Power down then power up"
>
> When I did that, I waited for 'lock' and it took less than one minute!
>
> Has anyone else noticed this?
>
> Richard Amirault N1JDU Boston, Massachusetts USA
> amirault@tiac.net "Go Fly A Kite"

>

From wnolle@ix.netcom.com Thu Jun 06 21:32:55 1996
Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA16438 for <aprssig@tapr.org>; Thu, 6 Jun 1996 21:32:50 -0500 (CDT)
Received: from LOCALNAME (hun-a11-12.ix.netcom.com [205.184.6.44]) by dfw-ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id TAA01743 for <aprssig@tapr.org>; Thu, 6 Jun 1996 19:32:15 -0700
Message-ID: <31B7B0CC.3EFB@ix.netcom.com>
Date: Thu, 06 Jun 1996 21:32:12 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Bug Update
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob i went back and entered an object on the map using version 76 and it works just fine, so it's something that went haywire in version 76b only.

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>

From bruninga@nadn.navy.mil Thu Jun 06 22:42:02 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA18787 for <aprssig@tapr.org>; Thu, 6 Jun 1996 22:41:59 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id XAA26862; Thu, 6 Jun 1996 23:42:51 -0400
Date: Thu, 6 Jun 1996 23:42:50 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: NORFOLK Va?
Message-ID: <Pine.SUN.3.91.960606233942.26834A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Band was open to Norfolk, saw 2 stations. I began building some street maps of Va BEach area. Who was that that was making VAMAPSxx.zip?

de wb4apr@amsat.org

From bruninga@nadn.navy.mil Thu Jun 06 22:57:41 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA19206 for <aprssig@tapr.org>; Thu, 6 Jun 1996 22:57:37 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id XAA27050; Thu, 6 Jun 1996 23:58:30 -0400

Date: Thu, 6 Jun 1996 23:58:30 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: APRS76b bugs?
Message-ID: <Pine.SUN.3.91.960606235630.26834E-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

KG0DW reports that in 76b, the wind speed barbs are acting funny.
KE4EER reports the Dead Reckoning function for OBJECTS is not working.
I will log off here and do some testing, but If you havent gotten 76b
yet, then you might wait. hi hi

de wb4apr@amsat.org

From bruninga@nadn.navy.mil Thu Jun 06 23:11:50 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA19618 for <aprssig@tapr.org>; Thu, 6
Jun 1996 23:11:46 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id
AAA27332; Fri, 7 Jun 1996 00:12:38 -0400
Date: Fri, 7 Jun 1996 00:12:37 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: APRS76b no bugs?
Message-ID: <Pine.SUN.3.91.960607000508.27287A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just checked, and the DR of OBJECTS works fine and all the WX symbols
in my area have WIND leaders and they dont go away, so I guess those two
reports need more watching to see what is going on.

Bill, an object wont move unless the following conditions are met:

- 1) OBJ has a course and speed
- 2) You have UPLINK enabled
- 3) You have DR enabled

Then it will move, but ONLY each time it is transmitted...
AND
at least one minute must have gone by

Lemme know what you figure out...

de wb4apr@amsat.org

From Kt4ll@aol.com Fri Jun 07 00:30:44 1996
Received: from emout16.mail.aol.com (emout16.mx.aol.com [198.81.11.42]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA28820 for <aprssig@tapr.org>; Fri, 7
Jun 1996 00:30:42 -0500 (CDT)
From: Kt4ll@aol.com
Received: by emout16.mail.aol.com (8.6.12/8.6.12) id BAA26111 for

aprssig@tapr.org; Fri, 7 Jun 1996 01:30:12 -0400
Date: Fri, 7 Jun 1996 01:30:12 -0400
Message-ID: <960607013008_320951969@emout16.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1663] Re: NE Florida?

I have seen the jacksonville digi a few times here in Central FL. Also, over the last few days I have seen one up in the panhandle, as well as one in Alabama. No users, just the digis.

73 de kt4ll

From weather@xnet.com Fri Jun 07 01:44:44 1996
Received: from flood.xnet.com (flood.xnet.com [198.147.221.35]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id BAA01177 for <aprssig@tapr.org>; Fri, 7 Jun 1996 01:44:42 -0500 (CDT)
Received: from weather.xnet.com by flood.xnet.com (8.7.5/XNet-1.4R) with SMTP id BAA06035 for <aprssig@tapr.org>; Fri, 7 Jun 1996 01:45:20 -0500 (CDT)
Date: Fri, 7 Jun 1996 01:45:20 -0500 (CDT)
Message-Id: <199606070645.BAA06035@flood.xnet.com>
X-Sender: weather@quake.xnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ron Malinowski <weather@xnet.com>
Subject: Re: [APRSSIG:1470] Field Day

Bruce and group,

We, Mallard Lake Wouff Hong Society, will be running APRS at Frieled day in Boone County also, on VHF only as far as I am aware.

Ron

From quarry@q.continuum.net Fri Jun 07 02:42:21 1996
Received: from mailhost2.cac.washington.edu (mailhost2.cac.washington.edu [140.142.33.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id CAA02841 for <aprssig@tapr.org>; Fri, 7 Jun 1996 02:42:18 -0500 (CDT)
Received: from q.continuum.net by mailhost2.cac.washington.edu (5.65+UW96.04/UW-NDC Revision: 2.33) id AA25384;
Fri, 7 Jun 96 00:42:07 -0700
Date: Fri, 7 Jun 1996 03:48:10 -0400 (EDT)
From: Chip <quarry@q.continuum.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1629] Re: Garmin 45 problem?
In-Reply-To: <Pine.BSF.3.91.960604221137.5411A-100000@laraby.tiac.net>
Message-Id: <Pine.BSF.3.91.960607034511.24486A-100000@q.continuum.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Jun 1996, Richard Amirault wrote:

> Normal Mode (NOT battery saver)

I exclusively use the Batt Saver mode since I don't have an external power cable.

> I had reasonable sat coverage all the way from R.I. with coverage
> ranging from 4 to 7 sats. But when I approached downtown Boston I
> noticed that both the number of sats and the signal strength got less and
> less until I was down to *zip* (still "outside", not under any
> obstructions, bridges, tunnels, etc)

That isn't the way I experienced it. I had fairly good coverage most of the time in Boston (except when it could be explained by obstructions). (By the way, did you see on the track that I went right by your house on the return trip? I was within a mile by GPS readings!)

> Since Boston (like many/most metropolitan areas) is awash with RF, I'm
> tempted to think that this is some sort of intermod, or overload situation.
> Once past the downtown area, I powered down, then up and re-acquired lock.

That's a possibility, although my results were a little different.

> Richard Amirault N1JDU Boston, Massachusetts USA
 ^^^^^^^^^^^^^^^
 Or close to it :)

Perhaps Revere would be closer ...

Chip Griffin - SysOp of the Quarry (203-889-6427)
President of Thames River Apple Users Group
- quarry@q.continuum.net
- griffge@gwsmtp.nu.com

<http://q.continuum.net/~quarry/>

From quarry@q.continuum.net Fri Jun 07 02:44:19 1996
Received: from mailhost1.cac.washington.edu (mailhost1.cac.washington.edu [140.142.32.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id CAA02865 for <aprssig@tapr.org>; Fri, 7 Jun 1996 02:44:16 -0500 (CDT)
Received: from q.continuum.net by mailhost1.cac.washington.edu (5.65+UW96.04/UW-NDC Revision: 2.33) id AA07586;
Fri, 7 Jun 96 00:44:10 -0700
Date: Fri, 7 Jun 1996 03:50:14 -0400 (EDT)
From: Chip <quarry@q.continuum.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1632] Re: Garmin 45 problem?
In-Reply-To: <31B57F62.41C6@encore.com>
Message-Id: <Pine.BSF.3.91.960607034913.24486C-100000@q.continuum.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Jun 1996, Dennis Mobley wrote:

> Yep, mine has done the same thing out on the Atlantic Ocean.
> This "feature" does not happen often, and the only warning
> is the beep beep "poor coverage" message.
> Power cycle the beast and all is well.
>
> Anyone have a casue and/or solution to this problem?

Has anyone noticed that it doesn't seem to require the power down/up if you acknowledge the "poor coverage" message? I haven't had this lockup as long as I ack the message.

Chip Griffin - SysOp of the Quarry (203-889-6427)
President of Thames River Apple Users Group
- quarry@q.continuum.net
- griffge@gwsmtp.nu.com

<http://q.continuum.net/~quarry/>

From wvolle@ix.netcom.com Fri Jun 07 03:20:10 1996
Received: from dfw-ix4.ix.netcom.com (dfw-ix4.ix.netcom.com [206.214.98.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id DAA04577 for <aprssig@tapr.org>; Fri, 7 Jun 1996 03:20:06 -0500 (CDT)
Received: from LOCALNAME (hun-all-27.ix.netcom.com [205.184.6.59]) by dfw-ix4.ix.netcom.com (8.6.13/8.6.12) with SMTP id BAA18503 for <aprssig@tapr.org>; Fri, 7 Jun 1996 01:19:46 -0700
Message-ID: <31B8023D.60E4@ix.netcom.com>
Date: Fri, 07 Jun 1996 03:19:41 -0700
From: William Nolle <wvolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Call back the dogs.
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well Bob your right i went back into version 76b and the DR was not enabled. Now i never had to set this before. Was it a default prior to 76b. In any case i'm calling the Dogs back Hi. Works great so far Bob.

Bill KE4EER

From b.gotshall@worldnet.att.net Fri Jun 07 08:06:07 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA12760 for <aprssig@tapr.org>; Fri, 7 Jun 1996 08:06:04 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id NAA25839; Fri, 7 Jun 1996 13:05:26 GMT
Date: Fri, 7 Jun 1996 13:05:26 GMT
Message-Id: <199606071305.NAA25839@mailhost.worldnet.att.net>
Received: from 194.orlando-1.fl.dial-access.att.net(199.70.196.194) by mailhost.worldnet.att.net with SMTP id A25793; Fri Jun 7 13:05:00 1996
X-Sender: b.gotshall@postoffice.worldnet.att.net

X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
Subject: Re: [APRSSIG:1661] NE Florida?

At 09:59 PM 6/6/96 +0000, you wrote:

>
>----- Forwarded message -----
>From: BordingK@aol.com
>To: bruninga@nadm.navy.mil
>
> I saw something on the SIG by someone reference APRS and the Baldwin,(FL?)
>ARC. Are you aware of any NE FL ARPS, 'cause I keep a scanner on 145.79 and
>it's never gone off once!
>
>Ken Bording KF4COH
>

On 6/6/96 the following stations from the NW were visible in the Orlando area:

W2GFF-7 via 2nd wide
W4nn-1 via wide
KA4TAR-7 via 3ed wide

These were visible in the AM and That evening there were a few more which I didn't write down. Again this morning I am seeing Jax via 3ed wide. I imagine its just some GOOD conditions but it would be nice if we could get a link up to the north. Anybody in Ocala or Gainsvill listening???

Bud (WB4LTF)

From stevew@eng.adaptec.com Fri Jun 07 08:15:12 1996
Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA12858 for <aprssig@tapr.org>; Fri, 7 Jun 1996 08:15:09 -0500 (CDT)
Received: from eng.adaptec.com ([162.62.20.6]) by milpitas.adaptec.com (4.1/SMI-4.1)
id AA16867; Fri, 7 Jun 96 06:12:10 PDT
Received: from kona by eng.adaptec.com (4.1/SMI-4.1)
id AA22481; Fri, 7 Jun 96 06:16:45 PDT
Date: Fri, 7 Jun 96 06:16:45 PDT
From: stevew@eng.adaptec.com (Steve Wilson x2388)
Message-Id: <9606071316.AA22481@eng.adaptec.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1664] DOA PicoPacket

The only thing I would point out is that if you have 4.9V(that is equal to 5V) and there IS power to the unit...so that isn't your problem.

Steve Wilson

From rhiii@pop.erols.com Fri Jun 07 08:33:34 1996
Received: from smtp2.erols.com (root@smtp2.erols.com [205.252.116.102]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA13695 for <aprssig@tapr.org>; Fri, 7 Jun 1996 08:33:32 -0500 (CDT)
Received: from as36s18.erols.com (as36s18.erols.com [206.161.188.18]) by smtp2.erols.com (8.7.3/8.6.5) with SMTP id JAA20644 for <aprssig@tapr.org>; Fri, 7 Jun 1996 09:33:26 -0400 (EDT)
From: rhiii@pop.erols.com (Richard H)
To: aprssig@tapr.org
Subject: [Q] APRS on 7 or 14 MHz
Date: Fri, 07 Jun 1996 13:33:18 GMT
Message-ID: <31b82c6a.86090104@smtp.erols.com>
X-Mailer: Forte Agent .99e/16.227

Is there any APRS testing presently underway on 7085, 14100 or 14105 ? And what about 6m FM or fsk.

Thanks,

-- Richard/NT2Z

From jratchf@bulldog.afsc.k12.ar.us Fri Jun 07 08:43:11 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA13843 for <aprssig@tapr.org>; Fri, 7 Jun 1996 08:43:08 -0500 (CDT)
Received: from wDÿÜ~0# (slip1.afsc.k12.ar.us [170.211.157.176]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id HAA28365 for <aprssig@tapr.org>; Fri, 7 Jun 1996 07:46:38 -0500
Message-Id: <199606071246.HAA28365@bulldog.afsc.k12.ar.us>
Date: Fri, 07 Jun 96 08:42:02 -0700
From: "J. Scott Ratchford" <jratchf@bulldog.afsc.k12.ar.us>
Organization: North Arkansas Amatuer Radio Society
X-Mailer: Mozilla 1.22 (Windows; I; 16bit)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Precision Mapping 2.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

Has anyone written or currently writing a program to make APRS maps from the Precision Mapping 2.0 CD?

Short msg, Long reply?

KC5JGV

From sproul@ap.org Fri Jun 07 09:26:49 1996
Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA15531 for <aprssig@tapr.org>; Fri, 7 Jun 1996 09:26:46 -0500 (CDT)
Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4)
id KAA18928; Fri, 7 Jun 1996 10:23:14 -0400

X-Sender: sproul@165.1.6.1
Message-Id: <v03006f00addded8b89df@[165.1.27.20]>
In-Reply-To: <199606071246.HAA28365@bulldog.afsc.k12.ar.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 7 Jun 1996 10:31:07 -0400
To: aprssig@tapr.org
From: Mark Sproul <sproul@ap.org>
Subject: Re: [APRSSIG:1679] Precision Mapping 2.0

>Has anyone written or currently writing a program to make APRS maps from
>the Precision Mapping 2.0 CD?

>

>Short msg, Long reply?

>

>KC5JGV

Short reply, YES,

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

From steve@muskoka.com Fri Jun 07 09:28:53 1996
Received: from gold.muskoka.com (root@gold.muskoka.com [204.101.78.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA15551 for <aprssig@tapr.org>; Fri, 7 Jun 1996
09:28:48 -0500 (CDT)
Received: from Psteve.muskoka.com (ppp09.muskoka.com [204.101.78.39]) by
gold.muskoka.com (8.6.12/8.6.9) with SMTP id LAA05349 for <aprssig@tapr.org>; Fri,
7 Jun 1996 11:03:34 -0400
Message-Id: <1.5.4.32.19960607153350.006644a8@muskoka.com>
X-Sender: steve@muskoka.com
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 07 Jun 1996 10:33:50 -0500
To: aprssig@tapr.org
From: steve <steve@muskoka.com>
Subject: Re: [APRSSIG:1678] [Q] APRS on 7 or 14 MHz

At 08:41 6/7/96 -0500, you wrote:

>Is there any APRS testing presently underway on 7085, 14100 or
>14105 ? And what about 6m FM or fsk.

>

>Thanks,

>

>-- Richard/NT2Z

>
>

Greetings Richard,

I hail from FN05 country and have a 6mtr station up and running at present.

I am running 90 wts of pwr on a 2 elm quad at 65 ft. At present we are facing South.

Just wanted to let you know that there is activity. I am also looking in the near future at putting up a 6mtr digi. I need to know if there is a dual vhf tnc that has gate capabilities.

Take care.....de Steve VA3HOI

Steve Dubois VA3HOI

CANWARN SPOTTER

APARS & WINAPRS on 2 & 6 mtr's

From dwetzel@uswest.com Fri Jun 07 09:36:12 1996

Received: from uswgco2.uswc.uswest.com (uswgco2.uswest.com [206.196.133.74]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA15926 for <aprssig@tapr.org>; Fri, 7 Jun 1996 09:36:09 -0500 (CDT)

Received: (from smap@localhost) by uswgco2.uswc.uswest.com (8.7.1/8.7.1) id IAA00524 for <aprssig@tapr.org>; Fri, 7 Jun 1996 08:35:40 -0600 (MDT)

Received: from egate.mnet.uswest.com(151.116.23.138) by uswgco2.uswc.uswest.com via smap (V1.3)

id sma000516; Fri Jun 7 08:35:11 1996

Received: from easthub (easthub.mnet.uswest.com [151.117.26.86]) by egate.mnet.uswest.com (8.7.1/8.7.1) with SMTP id IAA09427 for <aprssig@tapr.org>; Fri, 7 Jun 1996 08:35:10 -0600 (MDT)

Received: by easthub.mnet.uswest.com (M-Net Hub.951228)

Received: from acmspgw1.mnet.uswest.com by acs.uswest.com (5.x/SMI-SVR4)

id AA14356; Fri, 7 Jun 1996 09:35:09 -0500

Received: from ccMail by acmspgw1.mnet.uswest.com

(IMA Internet Exchange 1.04b beta) id 1b8210d0; Fri, 7 Jun 96 07:31:09 -0500

Mime-Version: 1.0

Date: Fri, 7 Jun 1996 08:34:45 -0500

Message-Id: <1b8210d0@acmspgw1.mnet.uswest.com>

From: dwetzel@uswest.com (Doug Wetzel)

Subject: Field Day

To: aprssig@tapr.org

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Content-Description: cc:Mail note part

I'm planning to have APRS up on 14.100 LSB on field day. The KB7DD 10.1515 GATE should also be up here in Yootaw. Anybody want to suggest 17 and 10 m freqs for that day? There are at least two others interested, and we'd love to spread out over the bands.

73

Doug
KC7CO

Radio Free Utah

From schiers@ames.net Fri Jun 07 09:42:38 1996

Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA16001 for <aprssig@tapr.org>; Fri, 7 Jun 1996
09:42:32 -0500 (CDT)

From: schiers@ames.net

Message-Id: <199606071442.JAA16001@tapr.org>

Received: from [206.29.126.237] by ames.net id 4d5d0.wrk; Fri, 7 Jun 1996 09:43:00
-0600

Date: Fri, 07 Jun 96 09:21:28 -0500

To: aprssig@tapr.org

Subject: NWS Wx (rain) Reporting Conventions

X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.02

I met with the people at the NOAA (NWS) service yesterday. What fun! I never saw so many large hi-res computer monitors with doppler radar on them in my life. I felt like a kid in a candy store.

I took a printout of the messages that came up in this sig regarding how the rainfall should be reported and we adjourned to a rather nice conference room with several of the NWS employees sitting around the table to discuss the issue. They haven't changed their position, but they did clarify what the California office said, and how that could be misinterpreted.

For the purposes of INTERNAL reporting, the NWS office cuts off data at midnight. They maintained that this was for their internal purposes only and ALL interfaces with the public are based on the 1200 UTC cutoff. The reports they receive from reporting stations, and those they release to the public are based on the 1200 UTC cutoff. Apparently they have a very large number of people from the public who are "semi-official" rainfall reporters and they make use of this material. They want it, they use it, they redistribute it and it is all based on the 1200 UTC cutoff.

When I asked them why the disparity between their "internal" cutoff of midnight and the "external" cutoff of 1200 UTC, they said, "How many reporters are going to get up at midnight to read/reset their rain gauges?" They want the information from "reliable external sources" and to maximize the availability of data, the time agreed upon was 1200 UTC. I further asked if this was idiosyncratic to Iowa or typical of the nation as a whole and they indicated that the 1200 UTC cutoff was typical as far as they knew.

I again went into the 60 minute sliding period versus "cardinal" or on the hour rain reports. They were unequivocal, ON THE HOUR, no sliding periods.

So where does that leave us?

The best solution from my point of view, if we cannot have agreement on a standard that makes sense and can be compared to what NWS is reporting is to allow the USER to determine the reporting period cutoff. It should not

be a terribly difficult job of coding to let the user specify the "day ending" cutoff hour for rain (precip). Then everyone can tailor their cutoff to local/state convention.

I see no reason to use a sliding 60 minute period for definition of rainfall in the last hour. The last hour should be current accumulated rain since the top of the hour.

If I understand how APRS would use the R and P fields it would work like this:

The r field is RAIN, The p field is PRECIP

rRAIN = accumulated rain since the top of the hour (no sliding 60 minute period)

pRAIN = accumulated rain in the last 24 hours (with the cutoff hour being user defined)

This is all I can contribute to the topic. Hope it helps the authors come to some conclusions. Please....I am not looking for an argument. I am reporting what the NWS guys told me and making a suggestion about how to build flexibility into the programs so each USER can do what he/she prefers. 73,

hasan schiers, NOAN--

schiers@ames.net

From gustavoc@pinos.com Fri Jun 07 10:02:30 1996
Received: from pinos.com ([200.26.25.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA16794 for <aprssig@tapr.org>; Fri, 7 Jun 1996 10:02:25 -0500 (CDT)
From: gustavoc@pinos.com
Message-Id: <199606071502.KAA16794@tapr.org>
To: aprssig@tapr.org
Date: 7 Jun 1996 12:02:04 EDT
Subject: Sentence Help

Hello!

I connect my Trimble SVEE OEM gps board to my laptop serial port. The only think that appear on my screen is the following sentence:

\$GPGGA,,,,,0,0,,,,,*56

Can somebody help me to understand this and to find the mistake in the gps board.

TIA.

Gustavo, LW2DTZ

From bruninga@nadm.navy.mil Fri Jun 07 10:05:07 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA17142 for <aprssig@tapr.org>; Fri, 7 Jun 1996 10:05:03 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id LAA20497; Fri, 7 Jun 1996 11:05:56 -0400
Date: Fri, 7 Jun 1996 11:05:56 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: WX disp bug in 76b...
Message-ID: <Pine.SUN.3.91.960607110127.20202A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yep, I found the missing WX wind speeds. It got messed up when I added the MAGNETIC COMPASS interface! The OWN-STATION heading must be non-zero or APRS76b will not display ANY winds or mobile leaders...

You can force a heading with the INPUT-HEADING command.

Although this necessitates a new release, please keep using 76b if you have it and report any additional bugs?

de wb4apr@amsat.org

From ka1kjz@tigger.jvnc.net Fri Jun 07 10:53:41 1996
Received: from tigger.jvnc.net (tigger.jvnc.net [128.121.50.145]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA19206 for <aprssig@tapr.org>; Fri, 7 Jun 1996 10:53:38 -0500 (CDT)
Received: from ka1kjz.jvnc.net by tigger.jvnc.net with SMTP id AA18624 (5.65c/IDA-1.4.4 for aprssig@tapr.org); Fri, 7 Jun 1996 11:53:34 -0400
Date: Fri, 7 Jun 1996 11:53:34 -0400
Message-Id: <199606071553.AA18624@tigger.jvnc.net>
X-Sender: ka1kjz@tigger.jvnc.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "Ronald C. Barnes" <ka1kjz@tigger.jvnc.net>
Subject: Re: Field Day

At 05:55 PM 6/6/96 -0500, Arte Booten wrote:

>Hi All,

>

> As co-chairperson of my club's Field Day committee, I'll
>be setting up APRS at our Field Day site in Putnam County NY
>as a WIDE. As many of you in the New York-New Jersey-Connecti-
>cuit area already know, there is (what I refer to as) a APRS-
>Black Hole there. I've distributed MANY copies of APRS to club
>members in the past but it's a hilly area with few stations on

>APRS (YET!) I'll be informing them of this fact and, since the
>Field Day site is also the club's repeater site (it's the
>145.130 machine) I hope to do fairly well.
>

Look for The Waterbury (CT) Amateur Radio Club on APRS as well,
145.79 MHz. We aren't sure of the location yet (I know, don't
get me started). Not too sure yet of the callsign either.

> The "new" 286 laptop I picked up at the Rochester Hamfest
>will be put into service for the first "serious" time and, if
>all works out as hoped, a new geographic area for APRS will be
>connected to the rest of the network (at least during Field
>Day) for the first time.

Also a 286 with a MONOCHROME display (great isn't it?) But it
has 2 large harddrives, oh well, that's what happens when you have
a pile of parts and too much time on your hands :)

--

```
*****
** Ronald C. Barnes KA1KJZ      Engineering Tech, Group W Satellite **
** 1591 W. Broad Street        ARRL CT Section Technical Coord.   **
** Stratford, CT 06497        Member, Soc. Broadcast Engineers    **
**                               **
** The preceding are my opinions, mine, mine, mine!                **
** Any attempt to say otherwise will result in a hearty laugh      **
*****
```

From wnolle@ix.netcom.com Fri Jun 07 11:15:41 1996
Received: from dfw-ix10.ix.netcom.com (dfw-ix10.ix.netcom.com [206.214.98.10]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA20192 for <aprssig@tapr.org>; Fri, 7
Jun 1996 11:15:38 -0500 (CDT)
Received: from LOCALNAME (hun-all-11.ix.netcom.com [205.184.6.43]) by dfw-
ix10.ix.netcom.com (8.6.13/8.6.12) with SMTP id JAA28753 for <aprssig@tapr.org>;
Fri, 7 Jun 1996 09:15:00 -0700
Message-ID: <31B87197.66D7@ix.netcom.com>
Date: Fri, 07 Jun 1996 11:14:47 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Documentation
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think this was asked before but I never seen an answer to the question. Is
there any information available (Maybe from Bob hi) that would explain how to
setup APRS and it's many different ways to run it. Sure would be great to have a
manual available. Like what are all the keystrokes, and what do they do!. Also
how does a person setup for mobile operations using a laptop (With or without
GPS, Doppler, How is a weather station setup etc etc. APRS is getting to a point

where i have even seen Bob answer a message with (I will have to check that). I have read through all the txt files and there really isn't anything concrete. I wouldn't mind making up some manuals, and making them available to those that feel a need for them, (LIKE ME)!. But of course i need the info first. This came to mind a while ago trying to setup for running GPS with my laptop, there really is no step by step of anything in the readme directory. Bob do you have a list off all commands and their functions???

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>

From gerry@cs.tamu.edu Fri Jun 07 11:24:22 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA20610 for <aprssig@tapr.org>; Fri, 7 Jun 1996 11:24:19 -0500 (CDT)
Received: from solar.cs.tamu.edu (solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id LAA06411 for <aprssig@tapr.org>; Fri, 7 Jun 1996 11:23:29 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id LAA01510 for aprssig@tapr.org; Fri, 7 Jun 1996 11:22:20 -0500
Message-Id: <199606071622.LAA01510@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1664] DOA PicoPacket
To: aprssig@tapr.org
Date: Fri, 7 Jun 1996 11:22:20 -0500 (CDT)
In-Reply-To: <199606070145.VAA02102@smtp2.erols.com> from "Kent V Hufford" at Jun 6, 96 09:03:37 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Last I checked, and this might have changed since MY Pico is pre-release, the many blinkies that we grew to love on the older TNCs are not there. Does it talk to your computer? That's a better test than a bunch of LEDs in some cryptic pattern...

73, gerry
ps: I'll ask Gwyn at Hamcomm this weekend.

From gerry@cs.tamu.edu Fri Jun 07 11:33:09 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA21091 for <aprssig@tapr.org>; Fri, 7 Jun 1996 11:33:04 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id LAA06697 for <aprssig@tapr.org>; Fri, 7 Jun 1996 11:32:19 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id LAA01646 for aprssig@tapr.org; Fri, 7 Jun 1996 11:31:40 -0500
Message-Id: <199606071631.LAA01646@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:1679] Precision Mapping 2.0
To: aprssig@tapr.org
Date: Fri, 7 Jun 1996 11:31:39 -0500 (CDT)
In-Reply-To: <199606071246.HAA28365@bulldog.afsc.k12.ar.us> from "J. Scott Ratchford" at Jun 7, 96 09:05:55 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

J. Scott Ratchford sez:

>
> Has anyone written or currently writing a program to make APRS maps from
> the Precision Mapping 2.0 CD?
>
> Short msg, Long reply?

No, but I'm working on a GPS interface for PM2.0.4

gerry

From gerry@cs.tamu.edu Fri Jun 07 11:40:23 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA21532 for <aprssig@tapr.org>; Fri, 7 Jun 1996 11:40:18 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id LAA06863 for <aprssig@tapr.org>; Fri, 7 Jun 1996 11:39:31 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id LAA01727 for aprssig@tapr.org; Fri, 7 Jun 1996 11:38:52 -0500
Message-Id: <199606071638.LAA01727@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1684] Sentence Help
To: aprssig@tapr.org
Date: Fri, 7 Jun 1996 11:38:52 -0500 (CDT)
In-Reply-To: <199606071502.KAA16794@tapr.org> from "gustavoc@pinos.com" at Jun 7, 96 10:15:35 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

gustavoc@pinos.com sez:

>
> I connect my Trimble SVEE OEM gps board to my laptop serial port.
> The only think that appear on my screen is the following sentence:
>
> \$GPGGA,,,,,0,0,,,,,,*56

It's searching for satellites. If you have a good antenna connected, it should find them.

IF you have the development kit, use CFGPS.exe, TSIPCHAT.exe, thence CFGPS.exe

to go to TSIP mode, tell the GPS presumptively where it is and the current date/time, and maybe that it's a land application, then go back to NMEA mode.

> Can somebody help me to understand this and to find the mistake in the gps
> board.

Doesn't sound like a board problem. Sounds like a satellite acquisition problem.

73, gerry

From ku0g@sprynet.com Fri Jun 07 11:48:23 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA21845 for <aprssig@tapr.org>; Fri, 7 Jun 1996 11:48:18 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.157.35] (dd15-035.compuserve.com [199.174.157.35]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id JAA16680 for <aprssig@tapr.org>; Fri, 7 Jun 1996 09:46:02 -0700
Date: Fri, 7 Jun 1996 09:46:02 -0700
Message-Id: <199606071646.JAA16680@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1683] NWS Wx (rain) Reporting Conventions
To: aprssig@tapr.org
In-Reply-To: <199606071442.JAA16001@tapr.org>
X-Mailer: SPRY Mail Version: 04.00.06.21

What path is that new NWS station going to use? It would be nice to see it down here and would help my cause with our site, too!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From rhiii@pop.erols.com Fri Jun 07 11:55:28 1996
Received: from smtp1.erols.com (root@smtp1.erols.com [205.252.116.101]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA22141 for <aprssig@tapr.org>; Fri, 7 Jun 1996 11:55:22 -0500 (CDT)
Received: from as36s02.erols.com (as36s02.erols.com [206.161.188.2]) by smtp1.erols.com (8.7.4/8.6.5) with SMTP id MAA02229 for <aprssig@tapr.org>; Fri, 7 Jun 1996 12:54:52 -0400 (EDT)
From: rhiii@pop.erols.com (Richard H)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1681] Re: [Q] APRS on 7 or 14 MHz
Date: Fri, 07 Jun 1996 16:54:30 GMT
Message-ID: <31b85def.4334076@smtp.erols.com>
References: <1.5.4.32.19960607153350.006644a8@muskoka.com>
In-Reply-To: <1.5.4.32.19960607153350.006644a8@muskoka.com>
X-Mailer: Forte Agent .99e/16.227

Great Steve. But, you didnt give me the 6m freq that yoursta is on.

Can't help with the dual port tnc.

-- Richard

-

On Fri, 7 Jun 1996 09:46:25 -0500 (CDT), you wrote:

>At 08:41 6/7/96 -0500, you wrote:

>>Is there any APRS testing presently underway on 7085, 14100 or
>>14105 ? And what about 6m FM or fsk.

>>

>>Thanks,

>>

>>-- Richard/NT2Z

>>

>>

>

>Greetings Richard,

>I hail from FN05 country and have a 6mtr station up and running at present.

>I am running 90 wts of pwr on a 2 elm quad at 65 ft. At present we are

>facing South.

>Just wanted to let you know that there is activity. I am also looking in the

>near future at putting up a 6mtr digi. I need to know if there is a dual vhf

>tnc that has gate capabilities.

>

>Take care.....de Steve VA3HOI

>Steve Dubois VA3HOI

>CANWARN SPOTTER

>APARS & WINAPRS on 2 & 6 mtr's

>

>

From rhiii@pop.erols.com Fri Jun 07 11:55:38 1996

Received: from smtp1.erols.com (root@smtp1.erols.com [205.252.116.101]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA22152 for <aprssig@tapr.org>; Fri, 7
Jun 1996 11:55:27 -0500 (CDT)

Received: from as36s02.erols.com (as36s02.erols.com [206.161.188.2]) by
smtp1.erols.com (8.7.4/8.6.5) with SMTP id MAA02199 for <aprssig@tapr.org>; Fri, 7
Jun 1996 12:54:35 -0400 (EDT)

From: rhiii@pop.erols.com (Richard H)

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1679] Precision Mapping 2.0

Date: Fri, 07 Jun 1996 16:54:13 GMT

Message-ID: <31b85bed.3820912@smtp.erols.com>

References: <199606071246.HAA28365@bulldog.afsc.k12.ar.us>

In-Reply-To: <199606071246.HAA28365@bulldog.afsc.k12.ar.us>

X-Mailer: Forte Agent .99e/16.227

Not directly regarding Precision Mapping but about a year ago I was
in a computer store in Charleston SC and saw that a new (then) NEC
laptop was selling with a bundled mapping program. This software

was RS-232 ready to accept & display NMEA strings as map overlay icons.

Can't recall the name or mfg of the software. Is anyone familiar with this package ?

-- Richard/NT2Z

On Fri, 7 Jun 1996 09:03:47 -0500 (CDT), you wrote:

>Has anyone written or currently writing a program to make APRS maps from
>the Precision Mapping 2.0 CD?

>

>Short msg, Long reply?

>

>KC5JGV

>

>

>

>

From rhiii@pop.erols.com Fri Jun 07 11:55:55 1996

Received: from smtp1.erols.com (root@smtp1.erols.com [205.252.116.101]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA22188 for <aprssig@tapr.org>; Fri, 7
Jun 1996 11:55:37 -0500 (CDT)

Received: from as36s02.erols.com (as36s02.erols.com [206.161.188.2]) by
smtp1.erols.com (8.7.4/8.6.5) with SMTP id MAA02208 for <aprssig@tapr.org>; Fri, 7
Jun 1996 12:54:44 -0400 (EDT)

From: rhiii@pop.erols.com (Richard H)

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1682] Field Day

Date: Fri, 07 Jun 1996 16:54:22 GMT

Message-ID: <31b85d56.4181275@smtp.erols.com>

References: <1b8210d0@acmspgw1.mnet.uswest.com>

In-Reply-To: <1b8210d0@acmspgw1.mnet.uswest.com>

X-Mailer: Forte Agent .99e/16.227

Is 28110 acceptable ?

-- Richard/NT2Z

--

On Fri, 7 Jun 1996 09:48:43 -0500 (CDT), you wrote:

>I'm planning to have APRS up on 14.100 LSB on field day. The KB7DD 10.1515 GATE
>should also be up here in Yootaw. Anybody want to suggest 17 and 10 m freqs for
>that day? There are at least two others interested, and we'd love to spread out
>over the bands.

>

>73

>

>Doug

>KC7C0

>Radio Free Utah

>
>

From ldajz@epix.net Fri Jun 07 12:35:37 1996

Received: from epix.net (root@grape.epix.net [199.224.64.22]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA24060 for <aprssig@tapr.org>; Fri, 7 Jun 1996 12:35:27 -0500 (CDT)

Received: from clsm-65ppp177.epix.net (clsm-65ppp177.epix.net [199.224.65.177]) by epix.net (8.7.5/8.7.5) with SMTP id NAA14085 for <aprssig@tapr.org>; Fri, 7 Jun 1996 13:28:39 -0400 (EDT)

Message-ID: <31B89252.744@epix.net>

Date: Fri, 07 Jun 1996 13:34:26 -0700

From: "Al Zelna, N3KAE" <ldajz@epix.net>

X-Mailer: Mozilla 2.0 (Win16; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: NE PA a go for FD

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Members of the Scranton Pocono Amateur Radio Klub (SPARK), K3CSG, will be participating once again for this year's FD. We will be doing either a 3A or 4A effort for the weekend, and plan to utilize VHF APRS and keyboard Packet.

A vertical antenna will be replacing the 5 element beam at K3CSG-5 before FD weekend, and this should provide adequate coverage for most of NE PA. I am unaware of any other local club who will be on in this area.

I will post a message to this SIG when the new antenna goes up.

73 de N3KAE

From lcb911@apex2000.net Fri Jun 07 14:04:45 1996

Received: from starone.apex2000.net (starone.apex2000.net [207.18.66.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA27369 for <aprssig@tapr.org>; Fri, 7 Jun 1996 14:04:24 -0500 (CDT)

Received: from [207.18.66.77] by starone.apex2000.net (NTMail 3.01.03) id ka022266; Fri, 7 Jun 1996 14:04:36 -0500

Message-Id: <1.5.4.16.19960607140311.291f745c@apex2000.net>

X-Sender: lcb911@apex2000.net

X-Mailer: Windows Eudora Light Version 1.5.4 (16)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Les Blalock <lcb911@apex2000.net>

Subject: Re: [APRSSIG:1683] NWS Wx (rain) Reporting Conventions

Date: Fri, 7 Jun 1996 14:04:36 -0500

...

>So where does that leave us?

>

>The best solution from my point of view, if we cannot have
>agreement on a
>standard that makes sense and can be compared to what NWS is
>reporting is
>to allow the USER to determine the reporting period cutoff. It
should not
>be a terribly difficult job of coding to let the user specify the "day
>ending" cutoff hour for rain (precip). Then everyone can tailor their
>cutoff to local/state convention.
>
>I see no reason to use a sliding 60 minute period for definition of
>rainfall in the last hour. The last hour should be current accumulated
>rain since the top of the hour.
...
>hasan schiers, NOAN--
>-----
>schiers@ames.net
>-----
>

Here's another 2-cents worth... Top-of-the-hour rain amounts are
easy to program for but often accurately indicate the most recent
activity - 2 inches of rain from 1:30 - 1:55 may indicate /R000 at
2:05 - that's alot of recent activity to be showing /R000.

In considering the 24-hour rain amount, I prefer midnight resets
because (1) the Ultimater 2000 automatically resets daily rain
amounts at midnite (as pointed out in the WX.TXT docs) and (2) it
seems more logical when referring to "today's rainfall amount".

Although the NWS certainly likes to see local rainfall amounts from
different sites, the amounts can vary so much over short distances
I'm still not sure what the importance of the remote readings really
are. (Here in West Texas, rainfall amounts are purely hypothetical
anyway.)

What's important is to make a decision and stick to it. Right now
AutoWx beacons APRS-format using "top-of-the-hour" for /R000 and
since midnite Local time for /P000. As Bob pointed out, the code is
simpler this way, but AutoWx will be changed, if necessary, to
follow whatever APRS does.

BTW Hasan... Your 59 F last evening while we were 96 F (at about
9:00 pm) sure looked cool.

Now all we need is Bob to include the code for logging wx values
every five minutes in APRS. Right Bob? hi

Les/N5K0A
lcb911@apex2000.net
Les/N5K0A
lcb911@apex2000.net
When Seconds Count

From schiers@ames.net Fri Jun 07 15:06:56 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA29959 for <aprssig@tapr.org>; Fri, 7 Jun 1996
15:06:53 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606072006.PAA29959@tapr.org>
Received: from [206.29.126.237] by ames.net id 78fb0.wrk; Fri, 7 Jun 1996 15:07:56
-0600
Date: Fri, 07 Jun 96 15:06:00 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1691] Re: NWS Wx (rain) Reporting Convent
In-Reply-To: <706134@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.02

In <706134@bbs.ames.net>, on 06/07/96 at 02:40 PM,
aprssig@tapr.org said:

>What path is that new NWS station going to use? It would be nice to see
>it down here and would help my cause with our site, too!!!

It is currently sent out:

N0INX,WIDE,WIDE

Which will get it from N0INX TO N0BKB TO N0GGU

Keep in mind they don't have a wx station connected to it at this point. I
don't know what their plans are in that respect. What is your local going
to do? 73,

hasan schiers, N0AN--

schiers@ames.net

From borland@idirect.com Fri Jun 07 15:12:07 1996
Received: from lucid.idirect.com (idirect.com [206.116.140.30]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA00111 for <aprssig@tapr.org>; Fri, 7 Jun 1996
15:11:55 -0500 (CDT)
Received: from localhost (borland@accord.idirect.com [206.116.140.24]) by
lucid.idirect.com (8.6.9/8.6.12) with SMTP id QAA20686 for <aprssig@tapr.org>;
Fri, 7 Jun 1996 16:03:20 -0400
Date: Fri, 7 Jun 1996 16:03:20 -0400
Message-Id: <199606072003.QAA20686@lucid.idirect.com>
X-Sender: borland@idirect.com (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Dave Borland <borland@idirect.com>
Subject: Re: [APRSSIG:1660] APRSSIG digest 563

Ok here is one of those newbie questions you all love to see here.

Having expermented with HF APRS on 20 & 40 mtrs (as well as paket) I find that qsb affect the tnc's ability to decode the packets.

So has there be anyone using another mode such as Pactor or AMTOR ?

David J. Borland
borland@idirect.com
VE3HTB@va3bbs
Compuserve 72335,1462

From dvelez@infi.net Fri Jun 07 15:43:25 1996
Received: from mh004.infi.net (mailhost.infi.net [205.219.238.95]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA01486 for <aprssig@tapr.org>; Fri, 7 Jun 1996 15:43:23 -0500 (CDT)
Received: from dvelez.infi.net by mh004.infi.net with SMTP (Infinet-S-3.3) id QAA19101; Fri, 7 Jun 1996 16:42:49 -0400 (EDT)
Message-ID: <31B8944D.6DD4@infi.net>
Date: Fri, 07 Jun 1996 16:42:53 -0400
From: Daniel Velez <dvelez@infi.net>
X-Mailer: Mozilla 2.01 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1668] NORFOLK Va?
References: <Pine.SUN.3.91.960606233942.26834A-1000000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> Band was open to Norfolk, saw 2 stations. I began building some street
> maps of Va BEach area. Who was that that was making VAMAPSxx.zip?
>
> de wb4apr@amsat.org

Well, Bob, you probably saw myself (N4WZR) and Mike (KE4BZN). I have a Virginia Beach map about 75% complete built from GPS track histories...should I send you a copy???

73 de Dan

```
|||||
Daniel Velez           Aoooga!
dvelez@infi.net       Aoooga!
N4WZR@WD4MIZ.VA       Aoooga!
|||||
```

From w5rkn@amsat.org Fri Jun 07 15:55:40 1996
Received: from zoom.bga.com (root@zoom.realtime.net [205.238.128.40]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA02191 for <aprssig@tapr.org>; Fri, 7 Jun 1996 15:55:37 -0500 (CDT)

Received: from [204.251.33.13] (jake-4m.ip.realtime.net [204.251.33.13]) by zoom.bga.com (8.6.12/8.6.12) with SMTP id PAA05625; Fri, 7 Jun 1996 15:55:29 -0500
X-Sender: rparsons@mailserv.bga.com
Message-Id: <v02140b00adde45af9e32@[204.251.33.86]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 7 Jun 1996 15:55:23 -0500
To: aprssig@tapr.org
From: w5rkn@amsat.org (Ronald G. Parsons)
Subject: GPS-20 up and running

Got the TAPR GPS-20 board connected to the external world and working.

Used Trimble antenna. 7805 regulator on 13V supply for the 5V. The dissipation is just on the edge of free air wattage of a 7805 so definitely recommend a small heatsink.

Watch out for that 12 pin connector from Hell. Work carefully.

Came up with clock off by about 10 minutes (slow). In about 15 minutes, the clock corrected and in about a minute more, got a 7 sat fix.

Data looks good on terminal emulator.

Ron W5RKN

also:
rparsons@bga.com

From aj054@dayton.wright.edu Fri Jun 07 16:06:55 1996
Received: from selene.wright.edu (selene.wright.edu [130.108.1.20]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA02658 for <aprssig@tapr.org>; Fri, 7 Jun 1996 16:06:53 -0500 (CDT)
Received: from dayton.wright.edu by mailhost.wright.edu (PMDf V5.0-5 #2485) id <01I5MV14UWU8000LEL@mailhost.wright.edu> for aprssig@tapr.org; Fri, 07 Jun 1996 17:06:50 -0500 (EST)
Received: by dayton.wright.edu; id AA18773; Fri, 07 Jun 1996 17:06:50 -0400
Date: Fri, 07 Jun 1996 17:06:50 -0400
From: Steve Lewis <aj054@dayton.wright.edu>
Subject: Re: [APRSSIG:1682] Field Day
To: aprssig@tapr.org
Message-id: <9606072106.AA18773@dayton.wright.edu>
Content-transfer-encoding: 7BIT

Hi there:
Remember that you can't use 12,17, and 30 meters for FD operations.
Gud luck. -73- de Steve, N8TFD

University of Cincinnati ARC - W8YX

From reeves@christenson.com Fri Jun 07 16:40:21 1996

Received: from vista.hevanet.com (root@hevanet.com [198.5.254.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA03791 for <aprssig@tapr.org>; Fri, 7 Jun 1996 16:40:17 -0500 (CDT)

Received: from st-ppp12.hevanet.com by vista.hevanet.com with smtp (Smail3.1.28.1 #15) id m0uS9Fh-0010d8C; Fri, 7 Jun 96 14:39 PDT

Message-Id: <m0uS9Fh-0010d8C@vista.hevanet.com>

Date: Fri, 7 Jun 96 14:39 PDT

X-Sender: reeves@hevanet.com

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Ron Reeves <reeves@christenson.com>

Subject: trip to San Antonio

I will be taking a trip to San Antonio from June 16th - June 22nd. Is there any APRS activity in that area? If so I would appreciate any information the locals might feel inclined to share with me about freq's, upproto, etc. Please send it to me direct so as to not waste bandwidth on the sig.

I will have a portable setup complete with my new Garmin 45 (which the sig helped me to choose, thanks again guys.)

Thanks Ron N7QX0

reeves@christenson.com

If you have the wrong answer, change the question.

From khufford@erols.com Fri Jun 07 18:27:21 1996

Received: from smtp1.erols.com (root@smtp1.erols.com [205.252.116.101]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id SAA07301 for <aprssig@tapr.org>; Fri, 7 Jun 1996 18:27:18 -0500 (CDT)

Received: from khufford.erols.com (as17s44.erols.com [206.161.170.108]) by smtp1.erols.com (8.7.4/8.6.5) with SMTP id TAA18120 for <aprssig@tapr.org>; Fri, 7 Jun 1996 19:26:58 -0400 (EDT)

Message-Id: <199606072326.TAA18120@smtp1.erols.com>

X-Sender: khufford@pop.erols.com

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 07 Jun 1996 23:27:04 -0400

To: aprssig@tapr.org

From: Kent V Hufford <khufford@erols.com>

Subject: Re: [APRSSIG:1688] Re: DOA PicoPacket

At 11:32 AM 6/7/96 -0500, you wrote:

>Last I checked, and this might have changed since MY Pico is pre-release, the
>many blinkies that we grew to love on the older TNCs are not there. Does it
>talk to your computer? That's a better test than a bunch of LEDs in some
>cryptic pattern...

>

>73, gerry

>ps: I'll ask Gwyn at Hamcomm this weekend.

>

I talked to Bill at Paccom today. He says what is wrong they sent me a 32k chip instead of the 128k. He says that would cause only the CON lite to lite. They put a new chip in the mail today...

thanks for the reply.

Kent

From steve.hall@lerc.nasa.gov Fri Jun 07 18:46:21 1996

Received: from linux.chuh.cleveland-heights.k12.oh.us (root@[205.133.64.42]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA07903 for <aprssig@tapr.org>; Fri, 7 Jun 1996 18:46:17 -0500 (CDT)

Received: from kk4pm.nasa.gov (kk4pm.lerc.nasa.gov [139.88.44.41]) by linux.chuh.cleveland-heights.k12.oh.us (8.6.12/8.6.9) with SMTP id UAA11290 for <aprssig@tapr.org>; Fri, 7 Jun 1996 20:00:58 -0400

Date: Fri, 7 Jun 1996 20:00:58 -0400

Message-Id: <2.2.16.19960607194910.39e741f4@popd.ix.netcom.com>

X-Sender: kk4pm@popd.ix.netcom.com

X-Mailer: Windows Eudora Pro Version 2.2 (16)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Steve Hall <steve.hall@lerc.nasa.gov>

Subject: SMB to BNC adaptor for Trimble Ant

Pasternack has the necessary adaptor (SMB MALE on one side and BNC male on other) to allow the trimble GPS antenna that PACCOMM sales to hook directly to a Garmin 45.

The problem is that Pasternack requires a min order of \$100.00. Would anyone be interested in going together for a group purchase?

The cost of the adaptor is \$25.95 each plus shipping.

If anyone is interested or if anyone knows another source with a better deal let me know.

73,

Steve Hall - KK4PM

P.S. I don't want to cut of the SMB!

From lbush@eramp.net Fri Jun 07 19:39:15 1996
Received: from www (www.eramp.net [206.149.42.1]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id TAA09780 for <aprssig@tapr.org>; Fri, 7 Jun 1996 19:39:13 -0500 (CDT)
Received: from [206.149.42.119] by www (SMI-8.6/SMI-SVR4)
id TAA08780; Fri, 7 Jun 1996 19:38:30 -0500
Message-Id: <v02130500adde7a3d1cd5@[206.149.42.103]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 7 Jun 1996 19:38:57 -0500
To: aprssig@tapr.org
From: lbush@eramp.net (Larry Bush)
Subject: Re: [APRSSIG:1687] Documentation

>I think this was asked before but i never seen an answer to the question. Is
>there any information available (Maybe from Bob hi) that would explain how to
>setup APRS and it's many different ways to run it. Sure would be great to
>have a
>manual available. Like what are all the keystrokes, and what do they do!.
>Also
>how does a person setup for mobile operations using a laptop (With ot without
>GPS, Doppler, How is a weather station setup etc etc. APRS is getting to a
>point
>where i have even seen Bob answer a message with (I will have to check
>that). I
>have read trough all the txt files and there really isn't anything concrete. I
>wouldn't mind making up some maunuals, and making them available to those that
>feel a need for them, (LIKE ME)!. But of course i need the info first.
>This came
>to mind a while ago trying to setup for running GPS with my laptop, there
>really
>is no step by step of anything in the readme directory. Bob do you have a list
>off all commands and their functions???.
>
>Bill KE4EER
>wnolle@ix.netcom.com
>ke4eer@amsat.org
><http://www.netcom.com/~wnolle>

I second this idea. Had APRS for a week and havent figured it out. Put my
name on top of list to purchase this manual.

Larry W5NCD

From n2czf@gate.net Fri Jun 07 19:47:09 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA10013 for <aprssig@tapr.org>; Fri, 7 Jun 1996
19:47:07 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.176 (wpbf12-49.gate.net [199.227.125.176]) by
osceola.gate.net (8.6.12/8.6.12) with SMTP id UAA33738 for <aprssig@tapr.org>;
Fri, 7 Jun 1996 20:46:51 -0400

Date: Fri, 7 Jun 1996 20:46:51 -0400
Message-Id: <199606080046.UAA33738@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1681] Re: [Q] APRS on 7 or 14 MHz
To: aprssig@tapr.org
In-Reply-To: <1.5.4.32.19960607153350.006644a8@muskoka.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

On Fri, 7 Jun 1996, steve <steve@muskoka.com> wrote:
>near future at putting up a 6mtr digi. I need to know if there is a dual vhf
>tnc that has gate capabilities.
>
>Take care.....de Steve VA3HOI
>Steve Dubois VA3HOI
>CANWARN SPOTTER
>APARS & WINAPRS on 2 & 6 mtr's
>
Yes there is the Kantronics KPC-4 and MAYBE the old out of production KPC-2 TNC.

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've
forgotten this before. Steven Wright

From jwdstu@westga.edu Fri Jun 07 19:49:59 1996
Received: from sun.cc.westga.edu (sun.cc.westga.edu [160.10.4.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA10320 for <aprssig@tapr.org>; Fri, 7 Jun 1996
19:49:57 -0500 (CDT)
Received: from joe (user-168-121-70-186.dialup.mindspring.com [168.121.70.186]) by
sun.cc.westga.edu (8.6.10/8.6.10) with SMTP id UAA28938 for <aprssig@tapr.org>;
Fri, 7 Jun 1996 20:49:32 -0400
Message-Id: <1.5.4.32.19960608004951.0066d9f4@160.10.4.2>
X-Sender: jwdstu@160.10.4.2
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 07 Jun 1996 20:49:51 -0400
To: aprssig@tapr.org
From: Joe DeVille <jwdstu@westga.edu>
Subject: Re: [APRSSIG:1704] SMB to BNC adaptor for Trimble Ant

At 07:15 PM 6/7/96 -0500, you wrote:
>
>
>

>Pasternack has the necessary adaptor (SMB MALE on one side and BNC male on
>other) to allow the trimble GPS antenna that PACCOMM sales to hook directly
>to a Garmin 45.

>

>The problem is that Pasternack requires a min order of \$100.00. Would
>anyone be interested in going together for a group purchase?

>

>The cost of the adaptor is \$25.95 each plus shipping.

>

>If anyone is interested or if anyone knows another source with a better deal
>let me
>know.

I bought mine from Nema1 Electronics for \$26.25 plus shipping (about \$4).
They got it to me here in GA in 2 days. I don't have the number here, but
they are in 1-800 directory.

Joe DeVille, KC4IWE Primary address: jwdstu@westga.edu
West Georgia College Secondary address: bm160@freenet.carleton.ca
Carrollton, GA USA Memberships/Affiliations: American Radio Relay League
 Amateur Radio Emergency Service, Red Cross
 Disaster Services, Atlanta Olympic Band
 Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA
----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

From dseaburg@web-access.net Fri Jun 07 19:58:00 1996
Received: from austin.aus.sig.net (root@austin.aus.sig.net [199.1.78.2]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA10513 for <aprssig@tapr.org>; Fri, 7
Jun 1996 19:57:58 -0500 (CDT)
Received: from seab486dx4 (ppp202.web-access.net [205.241.59.202]) by
austin.aus.sig.net (8.7.5/8.7.3) with SMTP id TAA09751 for <aprssig@tapr.org>;
Fri, 7 Jun 1996 19:57:42 -0500 (CDT)
Message-ID: <31B8D00F.40A3@web-access.net>
Date: Fri, 07 Jun 1996 19:57:51 -0500
From: Dale Seaburg <dseaburg@web-access.net>
X-Mailer: Mozilla 2.01Gold (WinNT; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1689] Re: Precision Mapping 2.0
References: <199606071631.LAA01646@solar.cs.tamu.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gerald J Creager wrote:

>

> J. Scott Ratchford sez:

> >

> > Has anyone written or currently writing a program to make APRS maps from
> > the Precision Mapping 2.0 CD?

> >

> > Short msg, Long reply?

>

> No, but I'm working on a GPS interface for PM2.0.4
>
> gerry

I was looking several days ago for a gps to PM i/f and stumbled
across this web-site: <http://www.justsoftworks.com/> check it
out for a beta copy of a GPS to PM 2.0 interface.

Dale. KG5LT

From bruninga@nadm.navy.mil Fri Jun 07 21:32:19 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA14057 for <aprssig@tapr.org>; Fri, 7
Jun 1996 21:32:13 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
WAA15477; Fri, 7 Jun 1996 22:32:57 -0400
Date: Fri, 7 Jun 1996 22:32:57 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: APRS76c.zip now posted
Message-ID: <Pine.SUN.3.91.960607222845.15429A-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Also 76to76c.zip is posted. It fixes the WX wind bug I introduced since
version 76.

There is also a 32 mile map of Stockton Calif. My Wmaps is full so I
cannot add it there. Would someone please add CASTCKTN.map to the CAmaps
distribution... Thanks.

Also there is a NYwest that is centered on Rochester...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Fri Jun 07 21:41:03 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA14384 for <aprssig@tapr.org>; Fri, 7
Jun 1996 21:40:57 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
WAA15617; Fri, 7 Jun 1996 22:41:46 -0400
Date: Fri, 7 Jun 1996 22:41:45 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1687] Documentation
In-Reply-To: <31B87197.66D7@ix.netcom.com>
Message-ID: <Pine.SUN.3.91.960607223428.15429B-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Jun 1996, William Nolle wrote:

> Sure would be great to have a manual available.
> Like what are all the keystrokes, and what do they do!.
*** See HELP.txt It completely defines every keystroke on every APRS screen

> how does a person setup for mobile operations using a laptop?
*** See MOBILE.txt and OPS.txt

> with GPS? *** See GPS.txt
> with Doppler DF? *** See DF.txt

> How is a weather station setup? *** See WX.txt

> Bob do you have a list off all commands and their functions???.

APRSDos REPLY COMMENT: Absolutely. It is HELP.txt

If you have a question about APRS, simply do a DIR README. That will make a list of all the README files. Just view the file with the name of the subject you are interested in...

de wb4apr@amsat.org

From jbaum@freenet.columbus.oh.us Fri Jun 07 21:45:22 1996
Received: from ronco.freenet.columbus.oh.us (ronco.freenet.columbus.oh.us [164.107.107.13]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA14431 for <aprssig@tapr.org>; Fri, 7 Jun 1996 21:45:18 -0500 (CDT)
Received: from acme.freenet.columbus.oh.us by ronco.freenet.columbus.oh.us (8.7.5/5.960408)
id CAA13740; Sat, 8 Jun 1996 02:45:10 GMT
Received: by acme.freenet.columbus.oh.us (8.6.10) id WAA22816; Fri, 7 Jun 1996 22:45:10 -0400
Date: Fri, 7 Jun 1996 22:36:41 -0400 (EDT)
From: John Baum <jbaum@freenet.columbus.oh.us>
Subject: Symbols on maps?
To: aprs sig <aprssig@tapr.org>
Message-ID: <Pine.3.07.9606072241.A20895-a100000@acme>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Are any other map makers using symbols to "locate" permanent objects (Weather stations, airports, town centers, etc) by making them labels? I've been doing it for about a year, and haven't really had a chance to look at other map maker's works. (BTW Bob, thanks for changing the "Z" from a plain box to a "window".....I now have a macro set up in my word processing program to change "\$Z6 to \$/6" for town centers.. big grin....)
Any suggestions for color & symbol type standards for objects (So that they don't get confused with object place on by users)?

John Baum - KB8JX0 - Sysop APRS OHIO LLBBS (614) 443-4249
Cruise Missile Address: 39 56.35 N 082 58.89 W
Semi-Co-owner of HOOT - Columbus Ohio's BiWeekly Humor Newspaper

From bruninga@nadm.navy.mil Fri Jun 07 21:46:48 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA14450 for <aprssig@tapr.org>; Fri, 7 Jun 1996 21:46:43 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id WAA15681; Fri, 7 Jun 1996 22:47:33 -0400
Date: Fri, 7 Jun 1996 22:47:32 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1695] NE PA a go for FD
In-Reply-To: <31B89252.744@epix.net>
Message-ID: <Pine.SUN.3.91.960607224440.15429D@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Jun 1996, Al Zelna, N3KAE wrote:

> Members of the XXXX radio club will
> be participating once again for this year's FD. We will be doing either
> a 3A or 4A effort for the weekend, and plan to utilize VHF APRS and
> keyboard Packet.

APRSDOS REPLY COMMENT: I say again, we need a volunteer on this SIG to collect and SUMMARIZE special event announcements. Any volunteers? (actually since everyone is doing FD, this is not needed for FD, but we do need a SKED KEEPER on this SIG, hi hi

de wb4apr@amsat.org

From wbliss@coastside.net Fri Jun 07 21:50:42 1996
Received: from poseidon (root@poseidon.coastside.net [205.162.38.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA14766 for <aprssig@tapr.org>; Fri, 7 Jun 1996 21:50:30 -0500 (CDT)
Received: from LOCALNAME ([205.162.38.89]) by poseidon (8.6.11/8.6.12) with SMTP id TAA04171; Fri, 7 Jun 1996 19:48:33 -0700
Date: Fri, 7 Jun 1996 19:48:33 -0700
Message-Id: <199606080248.TAA04171@poseidon>
X-Sender: wbliss@mail.coastside.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: ke4eer@amsat.org
From: "William B. Bliss/WB6LPG" <wbliss@coastside.net>
Subject: DOCUMENTATION
Cc: aprssig@tapr.org

Hi Bill,

Your sig msg on DOCUMENTATION 6/7/96 ...

A recent Packet BBS message, 16-APR 03:21 from N2ZRC titled "How to set up APRS" appeared and addressed APRS@ALLUS on the Packet system. Art Booten/N2ZRC is here on this net.

Tom Griffin/N7ZKL sent out a long APRS Overview dated 8/5/95 on the Packet BBS system also, QSO with him for a copy.

The APRS program README.DIR and it HELP.TXT file and all the others give you ample info to operate the program.

The Phoenix LLBBS N7QVU @ 602-938-7528 has a Dedicated APRS files and numerous individual HELP files origianted by George/W8FWF on how to operate APRS.

If you get on Packet BBS system send me your HOME BBS and I can send you these files, I have them on disk, but cannot get over to this system and they are too long to type individually.

Hope this helps you out. 73's & Enjoy, Bill/WB6LPG@KA6EYH.#NOCAL.CA.USA.
NOAM (wbliss@coastside.net)
NNNN
WBB/WB6LPG

From ku0g@sprynet.com Fri Jun 07 22:41:34 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA16462 for <aprssig@tapr.org>; Fri, 7 Jun 1996 22:41:30 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.140.20] (ad13-020.compuserve.com [199.174.140.20]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA09377 for <aprssig@tapr.org>; Fri, 7 Jun 1996 20:39:31 -0700
Date: Fri, 7 Jun 1996 20:39:31 -0700
Message-Id: <199606080339.UAA09377@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1705] Re: Documentation
To: aprssig@tapr.org
In-Reply-To: <v02130500adde7a3d1cd5@[206.149.42.103]>
X-Mailer: SPRY Mail Version: 04.00.06.21

Just for the record, all of the APRS README documents are in the process of being converted over to web pages. I am also following the process with a hyper-text document, but that is probably six weeks away from completion. If everybody can be patient, I'll make it available ASAP....

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From rsellers@misha.net Sat Jun 08 00:16:50 1996
Received: from misha.net (delta.wwwa.com [204.120.206.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA24431 for <aprssig@tapr.org>; Sat, 8 Jun 1996 00:16:39 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)

id AAA07691; Sat, 8 Jun 1996 00:14:08 -0500
Date: Sat, 8 Jun 1996 00:14:08 -0500
Message-Id: <199606080514.AAA07691@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:1689] Re: Precision Mapping 2.0

>J. Scott Ratchford sez:
>>
>> Has anyone written or currently writing a program to make APRS maps from
>> the Precision Mapping 2.0 CD?
>>
>> Short msg, Long reply?
>
>No, but I'm working on a GPS interface for PM2.0.4
>
>gerry
>
Supposedly JustSoftworks just released a BETA GPS interface program. I
downloaded it and it does appear to run at least. Since I dont have a CD-Rom
on my laptop I cant get the software to run on my laptop yet. I put an
inquiry to them to see if I can run the Precision Mapping somehow without a
cd. If I can get it to work, I'll let you know.

73,
Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From rsellers@misha.net Sat Jun 08 00:16:54 1996
Received: from misha.net (delta.wwa.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id AAA24432 for <aprssig@tapr.org>; Sat, 8 Jun 1996
00:16:42 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id AAA07693; Sat, 8 Jun 1996 00:14:34 -0500
Date: Sat, 8 Jun 1996 00:14:34 -0500
Message-Id: <199606080514.AAA07693@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:1704] SMB to BNC adaptor for Trimble Ant

>Pasternack has the necessary adaptor (SMB MALE on one side and BNC male on
>other) to allow the trimble GPS antenna that PACCOMM sales to hook directly
>to a Garmin 45.

>
>The problem is that Pasternack requires a min order of \$100.00. Would
>anyone be interested in going together for a group purchase?
>
>The cost of the adaptor is \$25.95 each plus shipping.
>
>If anyone is interested or if anyone knows another source with a better deal
>let me
>know.

I posted this about a month ago, I bought a SMB-SMA adaptor and SMA-BNC adaptor at a hamfest in Sandwich, IL. I got it from a guy and he said he has/could get more. He wanted about \$10 for them. Here's his info if you want to check him out.

Ron Weiser
Telesciences Transmission Systems
171 N. Covington Drive
Bloomington, Ill. 60108-3113
(708)307-5900
307-6062 FAX
307-3815 Direct Line

Hope he still has some. I was able to check them and they worked fine.

73,

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From fredq@bihs.net Sat Jun 08 00:27:14 1996
Received: from brazos.bihs.net (brazos.bihs.net [204.96.15.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id AAA27018 for <aprssig@tapr.org>; Sat, 8 Jun 1996 00:26:41 -0500 (CDT)
Received: from fredq.bihs.net (port4.xyplex-2.bihs.net [204.96.15.51]) by brazos.bihs.net (8.7.5/8.7.3) with SMTP id AAA13646 for <aprssig@tapr.org>; Sat, 8 Jun 1996 00:24:05 -0500 (CDT)
Message-ID: <31B90F15.BEB@bihs.net>
Date: Sat, 08 Jun 1996 00:26:45 -0500
From: Fred Quarles <fredq@bihs.net>
X-Mailer: Mozilla 2.01 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1689] Re: Precision Mapping 2.0
References: <199606071631.LAA01646@solar.cs.tamu.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gerald J Creager wrote:

>
> J. Scott Ratchford sez:
> >

> > Has anyone written or currently writing a program to make APRS maps from
> > the Precision Mapping 2.0 CD?
> >
> > Short msg, Long reply?
>
> No, but I'm working on a GPS interface for PM2.0.4
>
> gerryHi Gerry, checkout the GPS beta version for Percision Mapping 2.0.4 if
you have not seen it yet at:

<http://www.justsoftworks.com/pmgps.html#beta>

See you later...Fred, KC5HHN

From wnolle@ix.netcom.com Sat Jun 08 00:35:22 1996
Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA27553 for <aprssig@tapr.org>; Sat, 8
Jun 1996 00:35:18 -0500 (CDT)
Received: from LOCALNAME (hun-al1-26.ix.netcom.com [205.184.6.58]) by dfw-
ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id WAA09108 for <aprssig@tapr.org>;
Fri, 7 Jun 1996 22:34:38 -0700
Message-ID: <31B92D03.1FB@ix.netcom.com>
Date: Sat, 08 Jun 1996 00:34:27 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Map Credits
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

After downloading a mapfile called BSRGMAPS.ZIP from Mindspring.com i found
a readme file included that i found rather in poor taste. Within this file
are many of my detailed maps for Huntsville Alabama yet the credit for
making these maps was changed from one callsign to another. In fact the
text that was in the file was actually written by me except for the KE4ROC
call that was changed, it states as follows.

"Many people have worked HARD on these maps. Some of them are N4QEA, N4NEQ,
and KE4ROC."

^^^^^ was changed

KE4ROC is a very good friend of mine and has made only one map in his whole
life, and that map was not even in the distribution. In other words KE4EER
was changed to KE4ROC. Guys i have made over 800 maps. I worked hard and
many hours to create these maps, i have also made maps for many users for
just the asking, i cannot believe someone (And i know who it is) would
stoop so low as to change someones callsign within a text file giving
another person credit for the maps someone else made. I guess i will be not
be making many maprs anymore.

Bill KE4EER
wnolle@ix.netcom.com

<http://www.netcom.com/~wnolle>

From wnolle@ix.netcom.com Sat Jun 08 00:40:20 1996
Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA27622 for <aprssig@tapr.org>; Sat, 8 Jun 1996 00:40:17 -0500 (CDT)
Received: from LOCALNAME (hun-all-26.ix.netcom.com [205.184.6.58]) by dfw-ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id WAA09270 for <aprssig@tapr.org>; Fri, 7 Jun 1996 22:40:01 -0700
Message-ID: <31B92E46.6347@ix.netcom.com>
Date: Sat, 08 Jun 1996 00:39:50 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1714] Re: Documentation
References: <199606080339.UAA09377@m1.sprynet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ku0g@sprynet.com wrote:

>
> Just for the record, all of the APRS README documents are in the process of
> being converted over to web pages. I am also following the process with a
> hyper-text document, but that is probably six weeks away from completion. If
> everybody can be patient, I'll make it available ASAP....

>
> Best 73,
> Jim Duncan, KU0G
> APRS--Kansas City Coordinator
> EMail: ku0g@sprynet.com-----

Hi Jim, yes i have looked at these on your webpage and i have to say they look GREAT. Does this mean that after you change them they are downloadable in tetx format?. I'm not to up on internet lingo (What does the Hyper-text do).
Keep up the good work.

Bill KE4EER

From 0004818186@mcimail.com Sat Jun 08 02:49:47 1996
Received: from gatekeeper2.mcimail.com (gatekeeper2.mcimail.com [192.147.45.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id CAA02228 for <aprssig@tapr.org>; Sat, 8 Jun 1996 02:49:43 -0500 (CDT)
Received: from mailgate2.mcimail.com (mailgate2.mcimail.com [166.40.135.23]) by gatekeeper2.mcimail.com (8.6.12/8.6.10) with SMTP id HAA29122; Sat, 8 Jun 1996 07:53:28 GMT
Received: from mcimail.com by mailgate2.mcimail.com id aa01839;
8 Jun 96 7:49 WET
Date: Fri, 7 Jun 96 20:13 EST
From: Miami Network <0004818186@mcimail.com>
To: aprssig <aprssig@tapr.org>
Subject: Balloon Launch
Message-Id: <52960608011325/0004818186NA4EM@MCIMAIL.COM>

I have posted on my calendar a Balloon launch schedule for tomorrow that is supposed to be equipped with TNC & GPS? Can someone confirm?

73, Seymour, KC4NMY
Miami, FL
miaminet@mcimail.com

From jleonard@tbcnet.com Sat Jun 08 04:40:32 1996
Received: from tbc2.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id EAA04998 for <aprssig@tapr.org>; Sat, 8 Jun 1996 04:40:31 -0500 (CDT)
Received: from ts242.tbcnet.com (ts242.tbcnet.com [207.112.227.42]) by tbc2.tbcnet.com (8.7.4/8.7.3) with SMTP id EAA14146 for <aprssig@tapr.org>; Sat, 8 Jun 1996 04:40:28 -0500
Date: Sat, 8 Jun 1996 04:40:28 -0500
Message-Id: <199606080940.EAA14146@tbc2.tbcnet.com>
X-Authentication-Warning: tbc2.tbcnet.com: Host ts242.tbcnet.com [207.112.227.42] didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Subject: Re: [APRSSIG:1716] Re: SMB to BNC adaptor for Trimble Ant

Hey Roger,
Do you know that you and Paul aren;t showing up on the screen anymore?
Haven't been for a couple of weeks.

73 barry

At 00:22 6/8/96 -0500, you wrote:

>I posted this about a month ago, I bought a SMB-SMA adaptor and SMA-BNC
>adaptor at a hamfest in Sandwich, Il. I got it from a guy and he said he
>has/could get more. He wanted about \$10 for them. Here's his info if you
>want to check him out.
>Ron Weiser
>Telesciences Transmission Systems
>171 N. Covington Drive
>Bloomington, Ill. 60108-3113
>(708)307-5900
> 307-6062 FAX
> 307-3815 Direct Line
>
>Hope he still has some. I was able to check them and they worked fine.

>
>73,
>
>Roger Sellers
>Amateur Radio: KB9LBU
>E-Mail Home: rsellers@misha.net
>E-Mail Work: rsellers@snds.com
>

J Barry Leonard/N9VJQ
DeKalb IL
E-MAIL: jleonard@tbcnet.com
WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>

From melliott@ocslink.com Sat Jun 08 05:16:15 1996
Received: from ocslink.com (root@ocslink.com [206.158.123.190]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id FAA05831 for <aprssig@tapr.org>; Sat, 8 Jun 1996
05:16:12 -0500 (CDT)
From: melliott@ocslink.com
Received: from [206.158.123.147] (modem17.ocslink.com [206.158.123.147]) by
ocslink.com (8.6.9/8.6.9) with SMTP id FAA06930 for <aprssig@tapr.org>; Sat, 8 Jun
1996 05:17:47 -0500
Date: Sat, 8 Jun 1996 05:17:47 -0500
Message-Id: <199606081017.FAA06930@ocslink.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1720] Balloon Launch
To: aprssig@tapr.org
In-Reply-To: <52960608011325/0004818186NA4EM@MCIMAIL.COM>
X-Mailer: SPRY Mail Version: 04.10.06.22

On Sat, 8 Jun 1996, Miami Network <0004818186@mcimail.com> wrote:

>I have posted on my calendar a Balloon launch schedule for tomorrow
>that is supposed to be equipped with TNC & GPS? Can someone confirm?

>
>
>73, Seymour, KC4NMY
>Miami, FL
>miaminet@mcimail.com
>
>
>

Confirmed! TODAY.....June 8th

CIBA Flt. 4 Launch Time: 08:00 CDT from Washington, IL.
Site Coord. 4043.048 N 08922.580 W
Freq. GPS Data on (APRS) 145.79 Mhz N9WST-11
ATV color video 427.000 Mhz (cable ch. 58) N9XHJ/AM
Beacon (Natl. Fox freq) 146.565 Mhz WB9NKP
Special Event Station 7.250 Mhz AA9MK

Please let us know if you see us!>

```

      / ) | ----- | ( \
      / / |      Mark L. Elliott, N9WST      | \ \
    _ ( ( _ |      e-mail: melliott@ocslink.com      | _ ) _
  (((\ \> | / ) Peoria, Illinois      ( \ | < / / ))
  (\\ \ \_ / / Central Illinois Balloon Association  \ \_ / ///)
  \      /      WWW: http://www.ocslink.com/~melliott  \ \_ /
  \      / ----- | \ \
  /      / |      | \ \
  /      / |      | \ \

```

From KD4EMI@aol.com Sat Jun 08 08:57:51 1996
Received: from emout08.mail.aol.com (emout08.mx.aol.com [198.81.11.23]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA10811 for <aprssig@tapr.org>; Sat, 8 Jun 1996 08:57:48 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout08.mail.aol.com (8.6.12/8.6.12) id JAA08145 for aprssig@tapr.org; Sat, 8 Jun 1996 09:48:48 -0400
Date: Sat, 8 Jun 1996 09:48:48 -0400
Message-ID: <960608094847_322021514@emout08.mail.aol.com>
To: aprssig@tapr.org
Subject: of interest ICOM 706 owners

I have finally completed my latest stamp trick... Posted here FYI

If you have a ICOM 706 and want to operate aprs on HF and VHF it can be a problem. You have to manually change bands before the radio xmits.

My basic stamp now can control your 706 (or any radio with rs2332). All it really does is switch the bands or freq on your radio. Another application is if your running an HF rig mobile with an autotuner, It can switch from 30 meters to 20 meters to 40 meters for you automatically.

Just program your tnc to xmit at a certain interval and tell the stamp when to change freqs. I am working on a way for the stamp to read the output of the tnc (KAM) and automatically change the band depending on if the kam xmits hf or vhf, having some difficulty with that though.

So anyhow, should you want to operate your 706 and not have radios everywhere, the basic stamp should work.

OR

if you want to operate on several freqs and dont want to manually change the freq, the stamp will work there also.

Any basic stamp ideas are welcome..Im getting bored again.

Oh, also, I didnt notice but is there a MAN icon in aprs..? I made a "MANPACK" unit and thought it might be neat to have a little man icon and also a horse icon. (demo for the police dept mounted patrol ...)
Not critical, perhaps on a later version..

Later...

Mike KD4EMI@AOL.COM

From rwf@mindspring.com Sat Jun 08 09:03:22 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA11061 for <aprssig@tapr.org>; Sat, 8 Jun 1996 09:03:17 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id JAA25648 for <aprssig@tapr.org>; Sat, 8 Jun 1996 09:52:14 -0400

Message-Id: <2.2.32.19960608135244.00747548@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 08 Jun 1996 09:52:44 -0400

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: Re: [APRSSIG:1711] Symbols on maps?

John,

I added some local (repeater site) mountains to my maps and couldn't figure out what symbol to use.

I ended up using the blue dot so that it would be less obtrusive.

Ralph

John Baum wrote:

> Are any other map makers using symbols to "locate" permanent objects
> (Weather stations, airports, town centers, etc) by making them labels?
> I've been doing it for about a year, and haven't really had a chance to
> look at other map maker's works.

From 0004818186@mcimail.com Sat Jun 08 09:03:37 1996

Received: from gatekeeper.mcimail.com (gatekeeper.mcimail.com [192.147.45.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA11178 for <aprssig@tapr.org>; Sat, 8 Jun 1996 09:03:32 -0500 (CDT)

Received: from mailgate.mcimail.com (mailgate.mcimail.com [166.40.135.3]) by gatekeeper.mcimail.com (8.6.12/8.6.10) with SMTP id KAA14438; Sat, 8 Jun 1996 10:37:25 GMT

Received: from mcimail.com by mailgate.mcimail.com id ab22874;
8 Jun 96 10:40 WET

Date: Sat, 8 Jun 96 05:39 EST

From: Miami Network <0004818186@mcimail.com>

To: aprssig <aprssig@tapr.org>

Subject: Re: [APRSSIG:1687] Documentation

Message-Id: <15960608103951/0004818186NA4EM@MCIMAIL.COM>

I had very good success using Word Perfect and importing the doc files. I called each chapter the name of the file in the

README.TXT Example Chapter #10 was called Symbols.

There is a program utility in word perfect that allows you to put in key words, example TNC, TAPR, HSP, WX, etc. etc. etc. etc. I had a very large key word index by just going thru all of the .TXT files and entering them.

Word Perfect then allows you to SORT this file alphabetically and it will read thru the entire README and produce a rather elegant Table of Contents and INDEX and cross reference the key word to the page # in the document.

This utility is rather industry standard and I guess can be found in most word processing programs.

73, Seymour, KC4NMY

From n2czf@gate.net Sat Jun 08 09:08:06 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA11267 for <aprssig@tapr.org>; Sat, 8 Jun 1996 09:07:52 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.148 (wpbf12-21.gate.net [199.227.125.148]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id JAA40338 for <aprssig@tapr.org>; Sat, 8 Jun 1996 09:30:53 -0400
Date: Sat, 8 Jun 1996 09:30:53 -0400
Message-Id: <199606081330.JAA40338@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1717] Re: Precision Mapping 2.0
To: aprssig@tapr.org
In-Reply-To: <31B90F15.BEB@bihs.net>
X-Mailer: SPRY Mail Version: 04.00.06.17

Ok People, what is the catch. CD-ROM Mapping and a GPS interface for free (beta) at what is it \$39 ?? Plus a free CD with either the WHite Pages or Yellow pages...

Many have seen the DeLorem stuff, what is the difference in data quality if any? As far as I know most if not all of the data is the same since it comes from the same source. This sounds too good to be true since MapExpert comes out to be about \$300 once you get the GPS Add On shipped to you and you buy the actual MapExpert CD.

If it is as good as it sounds it seems to be that DeLorem will be suffering from a short life span!

73's De Rich N2CZF
n2czf@gate.net

Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.

Steven Wright

From n2czf@gate.net Sat Jun 08 09:17:15 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA11408 for <aprssig@tapr.org>; Sat, 8 Jun 1996 09:16:33 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.148 (wpbfl2-21.gate.net [199.227.125.148]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id JAA21558 for <aprssig@tapr.org>; Sat, 8 Jun 1996 09:03:30 -0400
Date: Sat, 8 Jun 1996 09:03:30 -0400
Message-Id: <199606081303.JAA21558@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1704] SMB to BNC adaptor for Trimble Ant
To: aprssig@tapr.org
In-Reply-To: <2.2.16.19960607194910.39e741f4@popd.ix.netcom.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

I have received several of their catalogs in the past and they do have a lot of stuff! BE AWARE I think that their prices are very high, I may be wrong since I have never priced this particular adapter but I would suggest to look a little closer before purchasing.

Call up some 2-way radio shops and see if you can find one that use connectors from RF Industries, they are common. Their connectors are of good quality and they have always had everything that I need. I know that there are several users on the sig that work at 2-way shops and they may be able to get them for you. I work at one but I am not in the position to purchase large quantities of these without a markup and I really do not want to charge sig members a markup so I am going to need to pass on any offer.

BTW just look at the RG-58/U jumpers that Pastranack sells, I think a 10ft jumper with "N" connectors is \$30 or more.. Let's get real here!

On Fri, 7 Jun 1996, Steve Hall <steve.hall@lerc.nasa.gov> wrote:

>

>

>

>Pasternack has the necessary adaptor (SMB MALE on one side and BNC male on other) to allow the trimble GPS antenna that PACCOMM sales to hook directly to a Garmin 45.

>

>The problem is that Pasternack requires a min order of \$100.00. Would anyone be interested in going together for a group purchase?

>

>The cost of the adaptor is \$25.95 each plus shipping.

>
>If anyone is interested or if anyone knows another source with a better deal
>let me
>know.
>
>73,
>
>Steve Hall - KK4PM
>
>
>P.S. I don't want to cut of the SMB!
>
>
>
>
73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've
forgotten this before. Steven Wright

From tdrumm@sparc.isl.net Sat Jun 08 09:37:36 1996
Received: from sparc.isl.net (root@sparc.isl.net [199.3.25.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id JAA12367 for <aprssig@tapr.org>; Sat, 8 Jun 1996
09:37:29 -0500 (CDT)
Received: from ppp-18.isl.net (ppp-18.isl.net [199.3.25.67]) by sparc.isl.net
(8.7.4/8.7.3) with SMTP id JAA06278 for <aprssig@tapr.org>; Sat, 8 Jun 1996
09:41:52 -0500 (CDT)
Message-Id: <199606081441.JAA06278@sparc.isl.net>
X-Sender: tdrumm@sparc.isl.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 08 Jun 1996 09:39:00 -0500
To: aprssig@tapr.org
From: tdrumm@sparc.isl.net (Tony Drumm)
Subject: TNC for APRS

Just received my GPS20. Eventually, I suspect I'll want to buy one of the
newer TNCs that directly support APRS frames. What's the "list's" opinion
on the various models. Probably will go with something simple, like the
PK12, KPC3, or Pico. What's the Pico run with the extra RS232? (Nice to
see their web pages have more information now.)

Thanks and 73.
Tony Drumm
Rochester, MN
internet: tdrumm@isl.net
Packet: aa0sm@wd0gnk.#semn.mn.usa.na

From wnolle@ix.netcom.com Sat Jun 08 10:02:32 1996
Received: from dfw-ix9.ix.netcom.com (dfw-ix9.ix.netcom.com [206.214.98.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA13265 for <aprssig@tapr.org>; Sat, 8 Jun 1996 10:02:28 -0500 (CDT)
Received: from LOCALNAME (hun-a11-17.ix.netcom.com [205.184.6.49]) by dfw-ix9.ix.netcom.com (8.6.13/8.6.12) with SMTP id IAA03596 for <aprssig@tapr.org>; Sat, 8 Jun 1996 08:02:03 -0700
Message-ID: <31B9B207.40EF@ix.netcom.com>
Date: Sat, 08 Jun 1996 10:01:59 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: M-P-H
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob, (or anybody that knows Hi). Did something change in 76c where the range rings don't work like they did before with the M-P-H. Right now when i do a M-P it comes up with a menu bar, but when i pick P for PHG all it shows is the range ring around my own station, the other stations don't have a range ring untill they beacon the next time.

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>

From bruninga@nadn.navy.mil Sat Jun 08 10:38:52 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA15423 for <aprssig@tapr.org>; Sat, 8 Jun 1996 10:38:47 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id LAA19797; Sat, 8 Jun 1996 11:39:37 -0400
Date: Sat, 8 Jun 1996 11:39:37 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1711] Symbols on maps?
In-Reply-To: <Pine.3.07.9606072241.A20895-a1000000@acme>
Message-ID: <Pine.SUN.3.91.960608113635.19772A@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Jun 1996, John Baum wrote:

> Are any other map makers using symbols to put permanent objects on maps?
> Any suggestions for color & symbol type standards for objects

APRSDos REPLY COMMENT: I would not use color 13 violet, since all objects put on the map by uplinking will be violet.

Even if they are the same color, tho, SYMBOLS on maps are labeled to the left and OBJ's uplinked to the map are labeled to the right...

de wb4apr@amsat.org

From rwf@mindspring.com Sat Jun 08 10:40:29 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA15442 for <aprssig@tapr.org>; Sat, 8 Jun 1996 10:40:24 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id LAA05923 for <aprssig@tapr.org>; Sat, 8 Jun 1996 11:40:18 -0400

Message-Id: <2.2.32.19960608154047.00768748@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 08 Jun 1996 11:40:47 -0400

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: Re: [APRSSIG:1718] Map Credits

<SPOILER>

If you are tired of following William Nolle's (KE4EER) hate campaigns , please Hit your Delete or Next button now. Otherwise read on for my response.

My Eudora Pro filters all messages from this individual to the trash, but someone else recently forwarded me a copy of another libelous message by William Nolle, KE4EER. In it, he alleges that a map distribution contains a README file written by him and not attributed as such. This person has attacked me in public before and I chose not to respond in public, thereby lowering myself to his level. This time, though, it is a subject that is near and dear to our hearts: APRS.

Authorship of my readme files is not and "claimed" by anyone, including myself, with the exception of APR's and probably the Sproul's files included in their distribution. I have written my readme files and choose to include whomever I wish in my "thank yous". In some cases, I include WB4APR's little "getting started" file so folks know how to unzip the program. Recently, I have even changed that. This is because by the time someone unzips an FTP'd copy of APRS, it is too late to keep from having zillions of files added to the wrong directory. My readme file tells how to unzip the APRS program and maps, which I have encrypted with a password found by reading the readme file. One HAS to read the readme to get the password to unzip the APRS ZIP file. (Bob- this suggestion may help you,too)

If someone gets his feelings hurt because I left their little "thank you" off, then I'm sorry. Maybe you should not venture out into the real world! It is a jungle out here. I have NEVER gotten a thank you for my contributions, nor do I want one. This is my HOBBY! I have registered over 45 copies of APRS for Bob. I think this shows my support.

As to maps:

Many people have been creating maps from USGS CD data using one of several simple conversion programs. As I understand it, the data are provided by the USGS and they probably claim rights to it. I do not believe anyone else can claim rights to a map derived from this source..

There is a designated space in APRS maps for comments. If an Author/Convertor of a map wishes to place comments there, including a copyright notice (for original works), then I strongly suggest that they do so. KE4ROC has done this in his maps of Alabama.

As a person with commercial software on the market, I will give you a little background on copyrights:

I'm not a lawyer and this is not intended to be legal advice.

All original work is "born" with a copyright. It is inherent and exists until the author fails to "protect" his copyright.

If you plan to take credit for something, then you have best include a copyright notice in your work. It should include the date and your name. You should also place the phrase "All Rights Reserved" alongside your copyright notice. This helps reinforce your claim in certain circumstances (mostly internationally). These are several ways to "protect" your copyright.

Once you have done this, you must vigorously protect your copyright by making sure that all appearances of your work continue to contain this information.

Note that I am not referring to "trade marks", which may be registered. And have nothing to do with copyrights. Nor am I referring to Patents, which must be issued and registered by the Government.

I have never seen an APRS map that has had any of these steps taken to

protect it. As I said before, I think that any map from USGS data affords no claim to the person who used a conversion program to convert it. (other than a nice "thank you" if folks want to do it.)

Original maps *should* have a statement in the comments area indicating the author's wishes. If a person writes a document, the same guidelines apply. Once a file has been released by its author unprotected, to a public forum, then the genie is out of the bottle. You can't undo it. You have failed to "protect" your copyright. Too Bad.

As far as my distribution of APRS maps goes, It will remain as it stands. I am free to mention or thank anyone I wish and will continue to do so. Nothing in it has a protected copyright and I will not distribute anything that does. The APRS program is also available at my site and is intact as Bob released it. By the way, I do thank Bob and the other authors who write the toys we play with.

Now, let's go play with APRS and all of the pretty maps!

Ralph

From khufford@erols.com Sat Jun 08 10:41:33 1996
Received: from smtp2.erols.com (root@smtp2.erols.com [205.252.116.102]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA15504 for <aprssig@tapr.org>; Sat, 8 Jun 1996 10:41:28 -0500 (CDT)
Received: from khufford.erols.com (as16s46.erols.com [206.161.170.46]) by smtp2.erols.com (8.7.3/8.6.5) with SMTP id LAA06307 for <aprssig@tapr.org>; Sat, 8 Jun 1996 11:41:24 -0400 (EDT)
Message-Id: <199606081541.LAA06307@smtp2.erols.com>
X-Sender: khufford@pop.erols.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 08 Jun 1996 15:41:30 -0400
To: aprssig@tapr.org
From: Kent V Hufford <khufford@erols.com>
Subject: Precision Mapping GPS WORKS!

>From a lead here on the sig, I downloaded the Precision Mapping GPS beta 1.03 from their web site at www.justsoftworks.com. I bought their Precision Mapping 2.0 for \$19 a couple of months ago. That is a good program. IT has zoom from the whole US view DOWN to YOUR street level. Move around on your street, it moves with you, compass and all. Good windows interface and too.

NOW, the GPS beta is even better. Just plug in your NEMA 183 GPS in the serial port and it puts you where you are. Has smooth zoom, gives the sat views and levels just like dosAPRS does, but more graphicly.

If you have a laptop with a cd-rom drive this works great. They spent some time writting this program properly. Has good doc's, online. You can set many of the parameters. Yea, if you run a 640k dos laptop or even a windows laptop without a cd, this is not for you. ..But in the future we ALL will have to have a laptop with a cd, if for no other reason than to load new software (I too started in 1985 with LAPLINK).

This program shows what CAN be done with WINDOWS (not windoze).

Now, just wish the Spriol brothers and Precision Mapping would join forces. Seems PM has worked out the windows issues. The brothers have spent many hours working on their WINAPRS version. (I'm still waiting for a version AFTER 1.000)

Maybe Bob could team up with PM.....naw...

Kent

KQ4KK

From 0004818186@mcimail.com Sat Jun 08 10:51:11 1996
Received: from gatekeeper.mcimail.com (gatekeeper.mcimail.com [192.147.45.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA15964 for <aprssig@tapr.org>; Sat, 8 Jun 1996 10:51:06 -0500 (CDT)
Received: from mailgate.mcimail.com (mailgate.mcimail.com [166.40.135.3]) by gatekeeper.mcimail.com (8.6.12/8.6.10) with SMTP id PAA16835; Sat, 8 Jun 1996 15:48:02 GMT
Received: from mcimail.com by mailgate.mcimail.com id ab07100;
8 Jun 96 15:50 WET
Date: Sat, 8 Jun 96 10:50 EST
From: Miami Network <0004818186@mcimail.com>
To: aprssig <aprssig@tapr.org>
Subject: Stamp Project KD4EMI
Message-Id: <61960608155016/0004818186NA3EM@MCIMAIL.COM>

Congrats in order Mike for a very innovative accomplishment with the stamp!

Regarding your current application to detect a Xmit on HF or VHF merely watch the PTT line on each radio and designated two PINS on the PORT of the Stamp as HF and VHF when it sees a signal present it will now that the PTT has been pushed.

I don't know how fast the Stamp responds but depending on what you are trying to do there may be a work around!

73, Seymour, KC4NMY

From khufford@erols.com Sat Jun 08 11:12:29 1996
Received: from smtp1.erols.com (root@smtp1.erols.com [205.252.116.101]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA16537 for <aprssig@tapr.org>; Sat, 8
Jun 1996 11:12:26 -0500 (CDT)
Received: from khufford.erols.com (as16s33.erols.com [206.161.170.33]) by
smtp1.erols.com (8.7.4/8.6.5) with SMTP id MAA14236 for <aprssig@tapr.org>; Sat, 8
Jun 1996 12:12:21 -0400 (EDT)
Message-Id: <199606081612.MAA14236@smtp1.erols.com>
X-Sender: khufford@pop.erols.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 08 Jun 1996 16:12:27 -0400
To: aprssig@tapr.org
From: Kent V Hufford <khufford@erols.com>
Subject: Re: [APRSSIG:1726] Re: Precision Mapping 2.0

It works. I bought PM 2.0 for \$19 at a computer show. It is great.

The beta works great WITH a GPS. However, the beta is good till the end of
JUL 96.

But since these guys sold their 2.0 for \$19... their GPS version cannot be
\$100ss?

Kent

KQ4KK

At 09:30 AM 6/8/96 -0500, you wrote:

>Ok People, what is the catch. CD-ROM Mapping and a GPS interface for free
(beta)

>at what is it \$39 ?? Plus a free CD with either the White Pages or Yellow
>pages...

>

>Many have seen the DeLorem stuff, what is the difference in data quality if
any?

>As far as I know most if not all of the data is the same since it comes
from the

>same source. This sounds too good to be true since MapExpert comes out to be
>about \$300 once you get the GPS Add On shipped to you and you buy the actual
>MapExpert CD.

>

>If it is as good as it sounds it seems to be that DeLorem will be suffering
from

>a short life span!

>

>73's De Rich N2CZF
>n2czf@gate.net
>Jupiter Farms Florida
>
>Right now I'm having amnesia and deja vu at the same time. I think I've
>forgotten this before. Steven Wright
>
>
>
>
>
>

From carlt@icanect.net Sat Jun 08 12:08:43 1996
Received: from foo.icanect.net (foo.icanect.net [205.161.216.72]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id MAA18594 for <aprssig@tapr.org>; Sat, 8 Jun 1996
12:08:18 -0500 (CDT)
Received: from carlt.icanect.net (ppp-09.dade.icanect.net [205.161.216.136]) by
foo.icanect.net (8.7.5/8.7.5) with SMTP id NAA10839; Sat, 8 Jun 1996 13:11:24
-0400 (EDT)
Date: Sat, 8 Jun 1996 13:11:24 -0400 (EDT)
Message-Id: <199606081711.NAA10839@foo.icanect.net>
X-Sender: carlt@icanect.net
X-Mailer: Windows Eudora Pro Version 2.1.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Carl Taylor <carlt@icanect.net>
Subject: Re: [APRSSIG:1724] Re: Symbols on maps?
Cc: aprssig@tapr.org

At 09:09 AM 6/8/96 -0500, rwf wrote:

>John,
>
>I added some local (repeater site) mountains to my maps and couldn't figure

>out what symbol to use.
>I ended up using the blue dot so that it would be less obtrusive.

>
>Ralph

>
>Since when have you been unobtrusive????????????????? ==CARL==

>
> John Baum wrote:
>> Are any other map makers using symbols to "locate" permanent objects
>>(Weather stations, airports, town centers, etc) by making them labels?
>>I've been doing it for about a year, and haven't really had a chance to
>>look at other map maker's works.

>
>
>
Johann O Jokulsson | <http://www.iti.is>
System Administrator |
Technological Institute of Iceland tel: +354 - 587 - 7000

Keldnaholti, IS-112 Reykjavik fax: +354 - 587 - 7409

From carlt@icanect.net Sat Jun 08 12:09:39 1996

Received: from foo.icanect.net (foo.icanect.net [205.161.216.72]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA18638 for <aprssig@tapr.org>; Sat, 8 Jun 1996 12:09:30 -0500 (CDT)

Received: from carlt.icanect.net (ppp-09.dade.icanect.net [205.161.216.136]) by foo.icanect.net (8.7.5/8.7.5) with SMTP id NAA10955; Sat, 8 Jun 1996 13:12:52 -0400 (EDT)

Date: Sat, 8 Jun 1996 13:12:52 -0400 (EDT)

Message-Id: <199606081712.NAA10955@foo.icanect.net>

X-Sender: carlt@icanect.net

X-Mailer: Windows Eudora Pro Version 2.1.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Carl Taylor <carlt@icanect.net>

Subject: Re: [APRSSIG:1725] Re: Documentation

Cc: aprssig@tapr.org

At 09:09 AM 6/8/96 -0500, Miami Network wrote:

>I had very good success using Word Perfect and importing the
>doc files. I called each chapter the name of the file in the
>README.TXT Example Chapter #10 was called Symbols.

>

>There is a program utility in word perfect that allows you to put
>in key words, example TNC, TAPR, HSP, WX, etc. etc. etc. etc.
>I had a very large key word index by just going thru all of the
>.TXT files and entering them.

>

>Word Perfect then allows you to SORT this file alphabetically and
>it will read thru the entire README and produce a rather elegant
>Table of Contents and INDEX and cross reference the key word
>to the page # in the document.

>

>This utility is rather industry standard and I guess can be found
>in most word processing programs.

>

>

>73, Seymour, KC4NMY

>

>

>Who cares?????????????

>

>

Johann O Jokulsson | <http://www.iti.is>

System Administrator |

Technological Institute of Iceland tel: +354 - 587 - 7000

Keldnaholti, IS-112 Reykjavik fax: +354 - 587 - 7409

From ku0g@sprynet.com Sat Jun 08 13:03:45 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA21396 for <aprssig@tapr.org>; Sat, 8 Jun 1996 13:03:41 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.138.64] (ad11-064.compuserve.com [199.174.138.64]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id LAA13129 for <aprssig@tapr.org>; Sat, 8 Jun 1996 11:01:34 -0700
Date: Sat, 8 Jun 1996 11:01:34 -0700
Message-Id: <199606081801.LAA13129@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1719] Re: Documentation
To: aprssig@tapr.org
In-Reply-To: <31B92E46.6347@ix.netcom.com>
X-Mailer: SPRY Mail Version: 04.00.06.21

Hypertext Markup Language is the standard for webpages. It also refers to the kind of help files you find in Windows where you can click on a highlighted word and it jumps you to that section...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From lcb911@apex2000.net Sat Jun 08 14:25:05 1996
Received: from starone.apex2000.net (starone.apex2000.net [207.18.66.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA24378 for <aprssig@tapr.org>; Sat, 8 Jun 1996 14:24:59 -0500 (CDT)
Received: from [207.18.66.221] by starone.apex2000.net (NTMail 3.01.03) id ka022318; Sat, 8 Jun 1996 14:25:19 -0500
Message-Id: <1.5.4.16.19960608142514.13275236@apex2000.net>
X-Sender: lcb911@apex2000.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Les Blalock <lcb911@apex2000.net>
Subject: APRS Quick-Ref
Date: Sat, 8 Jun 1996 14:25:19 -0500

I have an ASCII text file that can be printed out for a 2 1/2 page APRS QuickReference guide. It's about 8K text/2K zipped. Should I post it as a message here on the SIG, attach it to a post or just offer via direct e-mail to individuals?

Most command functions/commands are listed alphabetically and show the keystroke/menu sequence to accomplish the desired function. Most entries also show page numbers referring you to pages in the HELP.TXT for additional information. (This assumes you print HELP.TXT with one-inch top/bottom margins.)

I originally made this quick reference at about version 6.7 but have kept it pretty much up-to-date through 7.4 or so. If you want a copy, just ask. Feel free to update it, add to it, etc. just don't send me complaints - you get what you pay for.

Les/N5K0A

From wnolle@ix.netcom.com Sat Jun 08 14:41:27 1996
Received: from dfw-ix3.ix.netcom.com (dfw-ix3.ix.netcom.com [206.214.98.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id 0AA24915 for <aprssig@tapr.org>; Sat, 8 Jun 1996 14:41:24 -0500 (CDT)
Received: from LOCALNAME (hun-a12-21.ix.netcom.com [205.184.6.85]) by dfw-ix3.ix.netcom.com (8.6.13/8.6.12) with SMTP id MAA21008 for <aprssig@tapr.org>; Sat, 8 Jun 1996 12:40:50 -0700
Message-ID: <31B9F32B.542F@ix.netcom.com>
Date: Sat, 08 Jun 1996 14:39:55 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1731] Re: Map Credits
References: <2.2.32.19960608154047.00768748@mindspring.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

rwf wrote:

>
> There is a designated space in APRS maps for comments. If an
> Author/Convertor of a map wishes to place comments there, including a
> copyright notice (for original works), then I strongly suggest that they do
> so. KE4ROC has done this in his maps of Alabama.
> Again like i stated in the message KE4ROC has only made one map in his whole
life, and i even added a lot of GPS tracks to that one. And i can assure you it
did not have a stupid copyright on it. But since you posted this message (By
the way your name wasn't mentioned) Again i say my name was erased and replaced
with Ed's KE4ROC's call. Nothing was said about copyright laws just that it's
not right to take someone elses call and replace the original persons call
that made all the maps. You have a new word for it i see (Map converter) if
that's what you call doing this then great i will do that to all yourt maps
also, And by the way your right you don't know anything about copyright laws.

Bill KE4EER

From rtucker@moocow1.ttgciitn.com Sat Jun 08 15:00:34 1996
Received: from insosf1.netins.net (news@insosf1.netins.net [167.142.225.5]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA25402 for <aprssig@tapr.org>; Sat, 8 Jun 1996 15:00:30 -0500 (CDT)
Received: (from news@localhost) by insosf1.netins.net id PAA15278 for aprssig@tapr.org; Sat, 8 Jun 1996 15:00:26 -0500 (CDT)
X-Authentication-Warning: insosf1.netins.net: news set sender to rtucker@moocow1.ttgciitn.com using -f
Received: from moocow1.ttgciitn.com (moocow1.ttgciitn.com [10.42.1.3]) by crasher2.ttgciitn.com (8.7.5/960507.rtucker) with SMTP id 0AA04513 for

<aprssig@tapr.org>; Sat, 8 Jun 1996 14:44:20 -0500
Date: Sat, 8 Jun 1996 14:44:20 -0500
Message-Id: <199606081944.0AA04513@crasher2.ttgciitn.com>
X-Sender: rtucker@crasher2
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ryan Tucker <rtucker@moocow1.ttgciitn.com>
Subject: Re: [APRSSIG:1737] Re: Documentation

At 01:08 PM 6/8/96 -0500, ku0g@sprynet.com wrote:
>Hypertext Markup Language is the standard for webpages. It also refers to the
>kind of help files you find in Windows where you can click on a highlighted
word
>and it jumps you to that section...

Hmmm, those are hypertext, but they're not HTML. HTML is optimized for
transfer over the Internet, while the Windows Help File format is optimized
for on-disk usage. :-) -rt

From rick_o@jericho.com Sat Jun 08 15:03:32 1996
Received: from jericho.com (jericho.com [204.68.191.254]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA25655 for <aprssig@tapr.org>; Sat, 8 Jun 1996
15:03:27 -0500 (CDT)
Message-Id: <199606082003.PAA25655@tapr.org>
X-ROUTED: Sat, 8 Jun 1996 16:02:04 -0500
Received: from rick_o [204.68.191.103] by jericho.com with smtp
id APDLCDDA ; Sat, 8 Jun 1996 15:59:34 -0500
From: "Rick O'Hearn" <rick_o@jericho.com>
To: <aprssig@tapr.org>
Date: Sat, 8 Jun 1996 11:02:33 -0400
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1085
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Hi all,
Newbie question to follow.....

I'm new to this and been listening very carefully for a couple of weeks,
what I would like to know is, what is the minimum packet setup ness. for
the GPS. What I mean is I saw a small TNC I think it was the Pico- Pak or
something like that...it was only about \$50.00..... I'm not very
interested in packet BBS'ing but was wondering if 1200 bps is fast
enough or do i need 2400 or 9600? And if 1200bps is god for APRS GPS
could I also use it for packet mail?

Thanks.....

--

__[]_____

{_____}
Rick O'Hearn
rick_o@jericho.com
KF4CDO
36.8N/76.1W

From KD4EMI@aol.com Sat Jun 08 15:14:15 1996
Received: from emout13.mail.aol.com (emout13.mx.aol.com [198.81.11.39]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA25879 for <aprssig@tapr.org>; Sat, 8 Jun 1996 15:14:12 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout13.mail.aol.com (8.6.12/8.6.12) id QAA09753 for aprssig@tapr.org; Sat, 8 Jun 1996 16:13:31 -0400
Date: Sat, 8 Jun 1996 16:13:31 -0400
Message-ID: <960608161329_322257219@emout13.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1733] Stamp Project KD4EMI

In a message dated 96-06-08 13:18:46 EDT, you write:

>
>Regarding your current application to detect a Xmit on HF or
>VHF merely watch the PTT line on each radio and designated
>two PINS on the PORT of the Stamp as HF and VHF when it
>sees a signal present it will now that the PTT has been
>pushed.
>
>I don't know how fast the Stamp responds but depending on
>what you are trying to do there may be a work around!
>
Thanks for the suggestion...Tried it and it chops off some of the characters...It isn't quite fast enough..Im going to try to play with a super long txdelay though and see if that will work.. Perhaps with a long delay I could get it to work. Otherwise, yes, I can wire the stamp to the XMIT LED and sense which is operating. Will keep you posted.

Mike
KD4EMI@AOL.COM

From n2czf@gate.net Sat Jun 08 16:07:11 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA28290 for <aprssig@tapr.org>; Sat, 8 Jun 1996 16:07:04 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.154 (wpbfl2-27.gate.net [199.227.125.154]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id RAA65058 for <aprssig@tapr.org>; Sat, 8 Jun 1996 17:06:54 -0400
Date: Sat, 8 Jun 1996 17:06:54 -0400
Message-Id: <199606082106.RAA65058@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Subject: KD4EMI& basic Stamps
To: aprssig@tapr.org
In-Reply-To: <960608094847_322021514@emout08.mail.aol.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

Now this has some good possibilities for HF APRS! I remember a few years ago several PACTOR BBS's were programed up to not only move from band to band depending on the time but also to scan.

Take for instance 40M is good during the morning and so is 80M, 30 meters is great in the afternoon and early evenings and 80M is good late at night again barring bad QSB. How about figuring out how to make the stamp keep time and then having a time table change the rig's band depending on what you feel the best band is for the time of year.

Another possibility is the scan idea, would be quite crazy and maybe not good for APRS but how about changing bands at a good rate of speed, and if it notices a signal have it stop for a predetermined ammount of time. I think that many rigs will supply S-Meter info on the RS-232 port. If the PTT keys in this time period then have the scan stop and hold for a longer period of time (in case a connect is initiated or a ACK is waiting).

On Sat, 8 Jun 1996, KD4EMI@aol.com wrote:
>I have finally completed my latest stamp trick... Posted here FYI
>

>if you want to operate on several freqs and dont want to manually change the
>freq, the stamp will work there also.
>
>Any basic stamp ideas are welcome..Im getting bored again.
>

>Later...
>Mike KD4EMI@AOL.COM
>
>
>
73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before. Steven Wright

From ku0g@sprynet.com Sat Jun 08 17:58:38 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA02309 for <aprssig@tapr.org>; Sat, 8 Jun 1996
17:58:27 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.138.64] (ad11-064.compuserve.com [199.174.138.64]) by

m1.sprynet.com (8.6.12/8.6.12) with SMTP id PAA25013 for <aprssig@tapr.org>; Sat,
8 Jun 1996 15:56:20 -0700
Date: Sat, 8 Jun 1996 15:56:20 -0700
Message-Id: <199606082256.PAA25013@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: CIBA Balloon Flight
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

Well, in spite of being deathly ill today (24 hr. flu I guess), when I read the
about the balloon launch today, I went to the 256 mile range and sure enough,
there was N9WST-11 plain as day!!! I'll try replaying the log files from today
and get a report out on altitude when first seen/last seen, time of acquisition,
etc. Right now I'm going back to bed (again)...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From KD4EMI@aol.com Sat Jun 08 18:13:52 1996
Received: from emout19.mail.aol.com (emout19.mx.aol.com [198.81.11.45]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA02731 for <aprssig@tapr.org>; Sat, 8
Jun 1996 18:13:44 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout19.mail.aol.com (8.6.12/8.6.12) id TAA09891 for
aprssig@tapr.org; Sat, 8 Jun 1996 19:13:09 -0400
Date: Sat, 8 Jun 1996 19:13:09 -0400
Message-ID: <960608191308_322376783@emout19.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1743] KD4EMI& basic Stamps

In a message dated 96-06-08 18:08:38 EDT, N2CZF writes

>

>Take for instance 40M is good during the morning and so is 80M, 30 meters is
great in the afternoon and early evenings and 80M is good late at night again
barring bad QSB. How about figuring out how to make the stamp keep time and
then having a time table change the rig's band depending on what you feel
the best band is for the time of year.

>

This would take 3 lines of code. The newer stamps (which I use) have a
battery backed-up real time clock. Not a problem.

>Another possibility is the scan idea, would be quite crazy and maybe not
good for APRS but how about changing bands at a good rate of speed, and if it
notices a signal have it stop for a predetermined ammount of time. I think
that many
>rigs will supply S-Meter info on the RS-232 port. If the PTT keys in this
>time

>period then have the scan stop and hold for a longer period of time (in case
>a
>connect is initiated or a ACK is waiting).

Im having a great deal of trouble reading the tnc code...I suspect this can be done, I just am still working on it. It'll hit eventually. Im gonna have to figure out a way to make the stamp look at the code and switch freqs...Thats really rough..Will talk to the stamp geeks and see whats up with that. It would be very easy to just switch freqs every few hours. If you use an autotuner, you could go anywhere you can tune your antenna. Perhaps this would be much easier to code on a home computer... I recieved a few private mails with ideas for the stamp. I'll list them and see what you guys think...

#1 Have the stamp alert you when someone connects to your tnc...
(not a problem) more code...can be done in an hour...

#2 Automatically sends acks to the aprs 1 liners that people can send you, and store the msgs in memory.

Again, reading the tnc output..Once I figure that out, I can program the stamp to send the acks, save the msgs and autosend them to the mailbox as a msg. I think this is possible. Therefore, stand alone trackers add a stamp to their setup You add stamp, and when someone send you a one liner, they get an ack and all one liners get sent to your mailbox as a msg. Should be possible.

#3 Listen to the radio, deciede when no one is hearing you (like aprs tells you "check your path, no digipeat heard") and alerts you.
Again...Im not sure...I may need to go to the single board computer for this. There is a 8088 (I think its the old V chip) single board computer thats about 6"X6". Can look into that and see what it can do.

FYI stamp chip, daughterboard, and accesories have run me about \$300.00
But most of this can be trimmed down. I think the "END USER" system should be around \$125.00.

That adds quite a bit of cash to a tnc ! IF we go with a board that really has brains, price goes up even more.
What I want to see is a small screen output of pertanent info, and a small aprs display on my dash. This is what all this play is leading to...

The UTLIMATE set up is : (for me)

APRS running on a small display like the SONY GPS system that tells you how to get from point a to point b.

OR

APRS running on a display like my fishfinder has.. Dedicated butons for XMIT POSITION, XMIT BEACON, LIST HEARD, ZOOM IN/OUT
etc.....

Like the song goes "To dream the impossible dream"

Mike

KD4EMI@AOL.COM

From ku0g@sprynet.com Sat Jun 08 18:16:42 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA02759 for <aprssig@tapr.org>; Sat, 8 Jun 1996 18:16:36 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.138.64] (ad11-064.compuserve.com [199.174.138.64]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id QAA27577 for <aprssig@tapr.org>; Sat, 8 Jun 1996 16:14:25 -0700
Date: Sat, 8 Jun 1996 16:14:25 -0700
Message-Id: <199606082314.QAA27577@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: CIBA Balloon Flight, pt. 2...
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

Just play my track files from today....Here's the result..

N9WST-11 first seen here at 0940 CDT, Altitude 55455 at 4108.56N x 8926.53W.

Tracked to maximum altitude of 82226 at 1040 CDT. Last seen at 4106.62N x 8941.35W. Assuming that balloon burst at this point and descended rapidly as no other posits were received from then on...

That was neat to watch. Wish I'd have been awake enough this morning to watch it live!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From rhiii@pop.erols.com Sat Jun 08 18:35:21 1996
Received: from smtp2.erols.com (root@smtp2.erols.com [205.252.116.102]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id SAA03573 for <aprssig@tapr.org>; Sat, 8 Jun 1996 18:35:18 -0500 (CDT)
Received: from as36s53.erols.com (as36s53.erols.com [206.161.188.53]) by smtp2.erols.com (8.7.3/8.6.5) with SMTP id TAA19707 for <aprssig@tapr.org>; Sat, 8 Jun 1996 19:35:15 -0400 (EDT)
From: rhiii@pop.erols.com (Richard H)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1738] APRS Quick-Ref
Date: Sat, 08 Jun 1996 23:34:51 GMT
Message-ID: <31b9feb0.7061158@smtp.erols.com>
References: <1.5.4.16.19960608142514.13275236@apex2000.net>
In-Reply-To: <1.5.4.16.19960608142514.13275236@apex2000.net>
X-Mailer: Forte Agent .99e/16.227

Please send Quick Reference guide.

Thanks you.
-- Richard/nt2z

From carlt@icanect.net Sat Jun 08 19:09:08 1996
Received: from foo.icanect.net (foo.icanect.net [205.161.216.72]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id TAA04498 for <aprssig@tapr.org>; Sat, 8 Jun 1996
19:09:04 -0500 (CDT)
Received: from carlt.icanect.net (ppp-41.dade.icanect.net [205.161.216.192]) by
foo.icanect.net (8.7.5/8.7.5) with SMTP id UAA16484; Sat, 8 Jun 1996 20:06:33
-0400 (EDT)
Date: Sat, 8 Jun 1996 20:06:33 -0400 (EDT)
Message-Id: <199606090006.UAA16484@foo.icanect.net>
X-Sender: carlt@icanect.net
X-Mailer: Windows Eudora Pro Version 2.1.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Carl Taylor <carlt@icanect.net>
Subject: Re: [APRSSIG:1738] APRS Quick-Ref
Cc: aprssig@tapr.org

At 02:29 PM 6/8/96 -0500, Les Blalock wrote:

>
>I have an ASCII text file that can be printed out for a 2 1/2 page APRS
>QuickReference guide. It's about 8K text/2K zipped. Should I post it as a
>message here on the SIG, attach it to a post or just offer via direct e-mail
>to individuals?
>
>Most command functions/commands are listed alphabetically and show the
>keystroke/menu sequence to accomplish the desired function. Most entries
>also show page numbers referring you to pages in the HELP.TXT for additional
>information. (This assumes you print HELP.TXT with one-inch top/bottom
>margins.)
>
>I originally made this quick reference at about version 6.7 but have kept it
>pretty much up-to-date through 7.4 or so. If you want a copy, just ask.
>Feel free to update it, add to it, etc. just don't send me complaints - you
>get what you pay for.
>
>Les/N5K0A
>
i would really like a copy of it.. i am trying to get some people on aprs and
need all the help i can get...

thanks in advance...

==carl==

>
>

Johann O Jokulsson | <http://www.iti.is>
System Administrator |
Technological Institute of Iceland tel: +354 - 587 - 7000

Keldnaholti, IS-112 Reykjavik fax: +354 - 587 - 7409

From bruninga@nadm.navy.mil Sat Jun 08 19:27:37 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA04928 for <aprssig@tapr.org>; Sat, 8 Jun 1996 19:27:33 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id UAA22691; Sat, 8 Jun 1996 20:28:26 -0400
Date: Sat, 8 Jun 1996 20:28:26 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Bug in 76c. Stop distro
Message-ID: <Pine.SUN.3.91.960608202657.22681A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I havent gotten to the bottom of this, but Bill reports taht the MAP-PLOTS_POWER doesnt work. I just found out that the MAPS=PLOTS-DF is broke too... SO until I figure this one out, dont get 76c....

Dinner guests tonight. Will figure out later...

de wb4apr@amsat.org

From ka1kjz@tigger.jvnc.net Sat Jun 08 21:59:48 1996
Received: from tigger.jvnc.net (tigger.jvnc.net [128.121.50.145]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA10265 for <aprssig@tapr.org>; Sat, 8 Jun 1996 21:59:45 -0500 (CDT)
Received: from ka1kjz.jvnc.net by tigger.jvnc.net with SMTP id AA03543 (5.65c/IDA-1.4.4 for aprssig@tapr.org); Sat, 8 Jun 1996 22:59:37 -0400
Date: Sat, 8 Jun 1996 22:59:37 -0400
Message-Id: <199606090259.AA03543@tigger.jvnc.net>
X-Sender: ka1kjz@tigger.jvnc.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "Ronald C. Barnes" <ka1kjz@tigger.jvnc.net>
Subject: Illegal Function Call

I get the following message when trying to run APRS76

Illegal Function Call In Line 0 of APRS76W at address 1D49:53BF

What is it?

Ron :(

--

** Ronald C. Barnes KA1KJZ Engineering Tech, Group W Satellite **
** 1591 W. Broad Street ARRL CT Section Technical Coord. **

** Stratford, CT 06497 Member, Soc. Broadcast Engineers **
**
** The preceding are my opinions, mine, mine, mine! **
** Any attempt to say otherwise will result in a hearty laugh **

From lcb911@apex2000.net Sat Jun 08 22:11:25 1996
Received: from starone.apex2000.net (starone.apex2000.net [207.18.66.3]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA10644 for <aprssig@tapr.org>; Sat, 8
Jun 1996 22:11:12 -0500 (CDT)
Received: from [207.18.66.179] by starone.apex2000.net (NTMail 3.01.03) id
ia022342; Sat, 8 Jun 1996 22:11:35 -0500
Message-Id: <1.5.4.16.19960608201123.10c78bc6@apex2000.net>
X-Sender: lcb911@apex2000.net
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="=====_834289883==_"
To: aprssig@tapr.org
From: Les Blalock <lcb911@apex2000.net>
Subject: APRS.REF attached
X-Attachments: C:\APRS\APRS.REF;
Date: Sat, 8 Jun 1996 22:11:35 -0500

--=====_834289883==_
Content-Type: text/plain; charset="us-ascii"

Hope this is appropriate. I've attached the APRS.REF quick reference file
for APRS. It's only two and a half pages printed.

I've had so many requests for it already I thought I might get it out more
efficiently this way. I'll still send it individually to anyone who needs
it in the form of a message.

73 de Les/N5K0A

--=====_834289883==_
Content-Type: text/plain; charset="us-ascii"
Content-Disposition: attachment; filename="APRS.REF"

APRS 7.4/7.5 Quick Reference

		Page# in README/HELP.TXT
Add Objects	(I)nput (A)ddobj	9
Alarms		3,13
* All pkts/beacons	(A)	3
Alternate Map	(M)ap Menu	4
ALT-T	Telemetry	TELEMETRY.TXT
altNet	(ALT-S) (M)odes	12
Amtor	(ALT-S) (M)odes	
Append BAK files	(F)iles Menu	7

ARNAV	(ALT-S) (G)PS	
Avg-gnd-lvl	(ALT-S) (O)ther	
BAK files	(see load bak Files, append BAK Files)	
Bands	(C)ontrols	10
* Beacon Text	(ALT-B)	2
Beacons	(see All beacons, Order beacons)	
Beam heading	(O)perations	9
Beeps	(ALT-S) (O)ther	11,12
Borders	(M)ap	4
* Bulletins	(B)ulletins	2,4,6
callsign	(see Up my callsign)	
* Center map	(HOME) centers on cursor (F9) centers on all stations heard	
Chess	(see Game)	
Change Maplist	(M)ap	4
CW	(C)ontrols	11
Dead reckoning	(C)ontrols	4,10
Delete	(P)ositions	3,4,10
	(also see Erase message, Kill mine)	
direction finding	(see DF heading)	9
DF heading	(I)input	5
DFSP	(ALT-S) (O)ther	12
DGPS	(ALT-S) (G)PS	11
* Digi path	(O)perations	8
	save alternate digipaths (O)perations (D)igi	
* Display setup	(TAB)	2
DOS	(F)iles	7
DX	(ALT-S) (M)odes	12
EGA	(ALT-S) (O)ther	
Enter LAT/LONG	(I)input (M)y-position	
Erase Bulletin	(B)ulletin (ALT-E)rase	
Erase message	(S)end page	7
* Features	(M)ap	4
Filters	(C)ontrol	10
Find	(O)perations	8
Fix mypos	(I)input (M)y-pos	
Game	(ALT-S) (O)ther	12
GGA	(ALT-S) (G)PS	12
GPS off	(ALT-S) (G)PS	12
Gridsquare	(ALT-S) (M)odes	5
Headings	see DF heading, Beam Heading, Dead reckoning	
* Heard Log	(H)eard	3
* HELP	F1 (H)elp	
HF	(C)ontrols	10
HOME	(P)ositions page	2
hooked objects	(see Change, Home, Uplink, Delete, Move, #mark)	
HSP	(ALT-S) (G)PS	12
INS hooked object	(INS) while obj hooked	
Just one symbol	(J)ust one	4
K/m	(C)ontrols	10
Kill mine (messages)	(E)rase	7
Kilometers (see K/m)		10
Klynas	(ALT-S) (G)PS	12

* Latest	(L)atest	2
Latitude	(see Enter Lat/Long)	
Load BAK files	(F)iles	7
Lock	(M)ap	5
Longitude	(see Enter Lat/Long)	
LORAN	(ALT-S) (P)osrate	12
LST (change maplist)	(M)ap (C)hange	13
MAGnetic VARiation	(ALT-S) (O)ther	12
Maplist	(see Change maplist)	13
Master	(ALT-S) (M)odes	13
Memory	(see Zero memory)	
Message	(see Send, Erase or Kill msg)	7
Miles (see K/m)		10
Move hooked object	(P)ositions (ENTER to hook)	2
MeteorScatter	(ALT-S) (M)odes	13
My Position	(I)nput (M)y-pos	9
* Next Weather Station	(N)ext	
NMEAlog	(ALT-S) (G)PS	12
Objects	(see Add, Hook, Display, or Uplink)	
Order beacons	(F)iles	7
Other packets	(C)ontrol	
Ping	(O)perations	8
Position	(see My or Save)	
Posrate	(ALT-S)	11
Power rings	(M)ap (P)lot (P)ower	5
Power rings (set)	(I)nput (P)wrHtGn	
Power, set	(I)nput	9
Query	(O)perations (Q)uery	8, 14
Range rings	(M)ap (P)lot (R)ange	5
* Read messages	(R)ead	6
RELAY	(ALT-S) (W)ide	11
Replay	(O)perations	8
	(F)iles	
* SAVE	(ALT-S) (S)ave	8,11
SAVE file	(F)ile (S)ave	15
Save my (position)	(I)nput (M)y-pos	9
Screen saver	(ALT-S) (O)ther	12
Send message	(S)end	6
Settings (display)	(TAB)	
Slave mode	(ALT-S) (M)odes	13
Space mode	(ALT-S) (M)odes	13
SPM	(ALT-S) (G)PS	12
Symbols (place them)	(I)nput (A)dd-obj	
Timesync	(ALT-S) (G)PS	12
TNC (initialize)	(ALT-S) (T)NC	11
Track positions	(P)ositions	14
* Traffic	(T)raffic	3
Transmit	(X)mit	10
* Unproto	(O)perations	8
Up my callsign	(I)nput	
Uplink objects	(C)ontrol	9
Uplink positions	(P)ositions	9
* View packets	(V)iew	1

* View Y-axis	(Y) (toggles back & forth)	
Weather	(W)eather	13
	(see Alarms, Just, NWS, Enter report, Get NWS, Next, Query)	
weather Query	(W)eather (Q)uery	14
WIDE	(ALT-S) (W)ide	
WX	(W)eather	13
Xmit toggle	(C)ontrol (X)mit	10
Zero memory	(F)iles (Z)eromem	
Zone	(ALT-S) (O)ther	12

* indicates the most frequently used commands

To gate from HF to VHF:

Set MYGATE to GATE

(Enter TNC command mode to change MYGATE (O) (C) (T))

[Letters in parenthesis are the keys pressed to perform the desired functions or to display the menu needed to perform the functions]

The ALIAS and BEACON TEXT can be edited in the CFG file for permanent changes. The CFG file will be located in the root directory of the drive containing APRS.

It is recommended that you print out the HELP.TXT in the APRS\README subdirectory. This 14-page file gives a good overview of APRS if you don't want to print/read all the documentation.

73 de N5K0A

Additional info:

AutoWeather 2000 is a DOS packet terminal program interfacing the Ultimeter home weather stations in a stand-alone wx node configuration. It beacons in APRS format.

KWeather allows similar access to the Ultimeter while running pAKet 6.1 and the Pk/KaGOLD programs.

For more information on these free programs, contact me at lcb911@apex2000.net

-----_834289883==_--

From sadowski@cris.com Sat Jun 08 23:28:10 1996

Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id XAA13141 for <aprssig@tapr.org>; Sat, 8 Jun 1996 23:27:59 -0500 (CDT)

Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/08 2.40))
id AAA04969; Sun, 9 Jun 1996 00:27:38 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: sadowski@cris.com
Received: from LOCALNAME (cnc019052.concentric.net [206.173.35.52])
by darius.cris.com (8.7.3)
id AAA29569; Sun, 9 Jun 1996 00:26:52 -0400 (EDT)
Date: Sun, 9 Jun 1996 00:26:52 -0400 (EDT)
Message-Id: <199606090426.AAA29569@darius.cris.com>
X-Sender: sadowski@pop3.cris.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Paul Sadowski <sadowski@cris.com>
Subject: Re: GPS Time

Anyone ever had several GPS's together and noticed different times on the different GPS units? I'm paying with some stuff that relies on GPS time as the sync for all the stations.... think there might be a time skew for some reason...

ALOHA

AH6LS Allan

From bruninga@nadm.navy.mil Sun Jun 09 01:43:48 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id BAA24817 for <aprssig@tapr.org>; Sun, 9 Jun 1996 01:43:47 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id CAA24103; Sun, 9 Jun 1996 02:44:42 -0400
Date: Sun, 9 Jun 1996 02:44:41 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1750] Illegal Function Call
In-Reply-To: <199606090259.AA03543@tiger.jvnc.net>
Message-ID: <Pine.SUN.3.91.960609024319.24067B@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 8 Jun 1996, Ronald C. Barnes wrote:

> I get the following message when trying to run APRS76
>
> Illegal Function Call In Line 0 of APRS76W at address 1D49:53BF

APRSdos REPLY COMMENT: Could be anything. TELL me more. Like exactly WHEN does this occur. How are you configuring APRS. What keystroke or screen activity immediately precedes this error?

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 09 01:53:56 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id BAA25233 for <aprssig@tapr.org>; Sun, 9 Jun 1996 01:53:51 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id CAA24122; Sun, 9 Jun 1996 02:54:43 -0400
Date: Sun, 9 Jun 1996 02:54:42 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Yes, 76c bug confirmed
Message-ID: <Pine.SUN.3.91.960609024908.24067D-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Argh, dinner guests left at 0130!

FOund bug. With all the testing of APRS76a and b and c, at the last compile, I couldnt resist the temptation to change a little innocous "i" to a "P" for POSIT in a deep subroutine... Well, sure enuff, that conflicted pages later with the "P" in the POWER calculations for the Power-Height-Gain display. Ergo, if you do a MAPS-PLOTS-POWER or MAPS-PLOTS-DF, you will get unpredictable results, OFTEN and endless loop lockup...

I will release 76d Sunday to fix it. IF YOU HAVE ANY more comments about 76 a,b, or c, Lemme know ASAP. SOrry for the trouble...

de wb4apr@amsat.org

From ckimball@ets.mv.com Sun Jun 09 10:03:18 1996
Received: from bort.mv.net (bort.mv.net [192.80.84.6]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA08538 for <aprssig@tapr.org>; Sun, 9 Jun 1996 10:01:22 -0500 (CDT)
Received: from LOCALNAME (ets.mv.com [199.125.107.125]) by bort.mv.net (8.7.5/mem-951016) with SMTP id KAA22409 for <aprssig@tapr.org>; Sun, 9 Jun 1996 10:59:40 -0400 (EDT)
Date: Sun, 9 Jun 1996 10:59:40 -0400 (EDT)
Message-Id: <199606091459.KAA22409@bort.mv.net>
X-Sender: ets-ck@pop.mv.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Carl Kimball <ckimball@ets.mv.com>
Subject: Pasternack Enterprises

Steve --

I just received the latest Pasternack catalog, which is a "Special Sale" catalog good through August 31. On the back cover, which is also the order form, line 5 states that the minimum order is \$25. Additionally, for this sale take 5% off and free shipping on all catalog items except coax, but must use the special order form.

Depending on length and cable type, prices vary from \$16.61 to \$17.71 (RG174A/U, 12 inches to 72 inches). Catalog number for the RG174 stuff is PE3672-length, where length = 12,24,36,48,60,72.

These are their "normal" prices. Take 5% off that.

They have 7 types of coax to choose from. RG188,RG174,RG316,RG58, RG142,RG223,RG316. The last 3 are double-shielded.

Ring their bell at 714-261-1920.

Doesn't do me much good -- I've got a Garmin 38 with no ant jack. Great software built-in, though.

=====

Your original message --

>Pasternack has the necessary adaptor (SMB MALE on one side and BNC male on
>other) to allow the trimble GPS antenna that PACCOMM sales to hook directly
>to a Garmin 45.

>The problem is that Pasternack requires a min order of \$100.00. Would
>anyone be interested in going together for a group purchase?

>The cost of the adaptor is \$25.95 each plus shipping.

>If anyone is interested or if anyone knows another source with a better
>deal let me know.

>Steve Hall - KK4PM

>P.S. I don't want to cut of the SMB!

=====

```
*****
* Carl Kimball      TEL: 603-669-2836    FAX: 603-669-4124 *
* ===== *
* Eastern Technical Sales : Factory & Laboratory Automation *
* 99 Falcon Crest Way Manchester NH USA 03104 *
* email: ckimball@ets.mv.com *
* home page URL: http://www.mv.com/ipusers/ets *
* Amateur Radio Callsign: N1JKT *
*****
```

From llbaker@erinet.com Sun Jun 09 10:52:03 1996

Received: from in-mail.erinet.com (in-mail.erinet.com [198.6.245.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA10266 for <aprssig@tapr.org>; Sun, 9 Jun 1996 10:51:50 -0500 (CDT)

Received: from dlp174.center.eri.net by in-mail.erinet.com (8.6.12/EriNet) id MAA12897; Sun, 9 Jun 1996 12:15:21 -0400

Date: Sun, 9 Jun 1996 12:15:21 -0400

Message-Id: <199606091615.MAA12897@in-mail.erinet.com>

X-Sender: llbaker@mail.erinet.com (Unverified)

X-Mailer: Windows Eudora Version 1.4.4

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: llbaker@erinet.com (larry baker)

Subject: Re: [APRSSIG:1687] Documentation

>I think this was asked before but i never seen an answer to the question. Is
>there any information available (Maybe from Bob hi) that would explain how to
>setup APRS and it's many different ways to run it. Sure would be great to
have a
>manual available. Like what are all the keystrokes, and what do they do!.
Also
>how does a person setup for mobile operations using a laptop (With ot without
>GPS, Doppler, How is a weather station setup etc etc. APRS is getting to a
point
>where i have even seen Bob answer a message with (I will have to check
that). I
>have read trough all the txt files and there really isn't anything concrete. I
>wouldn't mind making up some maunuals, and making them available to those that
>feel a need for them, (LIKE ME)!. But of course i need the info first. This
came
>to mind a while ago trying to setup for running GPS with my laptop, there
really
>is no step by step of anything in the readme directory. Bob do you have a list
>off all commands and their functions???.
>
>Bill KE4EER
>wnolle@ix.netcom.com
>ke4eer@amsat.org
><http://www.netcom.com/~wnolle>
>
>
>
Bill while I have been using APRS for a couple of years I to would like
a HOW to do it Manual.

Larry Baker KB8EMD

From bruninga@nadm.navy.mil Sun Jun 09 12:42:19 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA13713 for <aprssig@tapr.org>; Sun, 9
Jun 1996 12:42:16 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
NAA26748; Sun, 9 Jun 1996 13:43:09 -0400
Date: Sun, 9 Jun 1996 13:43:09 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:657] Re: HSP bug and next APRS
In-Reply-To: <2.2.32.19960507211604.006a0750@mail.cts.com>
Message-ID: <Pine.SUN.3.91.960609134207.26404C@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I finally did it in MAPFIX25 distributed in APRS76b and c. If you dont
have it, wait for 76d due to bugs in APR....

I took out the POOR-MANS-MOUSE-DIGITIZER... You werent useing that were you?

On Tue, 7 May 1996, Barbara Fehner wrote:

> Please import the mouse driver from APRS into Mapfix so that those of us
> with Win95 or a bus mouse can use the mouse with Mapfix.
>
> Thanks,
>
> Barbara KK6IB
> E-Mail: fehner@cts.com
>
> -----
> At 12:25 PM 5/6/96 -0500, you wrote:
>
> >So I will be releasing APRS75d very soon with the following fixes:
> >* fixes HSP as noted above
> >* adds 18 wheeler to MOBILE-VEHICLE selection
> >* removes PAR 0 from INITTAPR.TNC file
> >* removes KILL function by making it a sub-prompt when you DELETE an obj
> >* stand-alone-trackers will now start with / instead of @ so you can tell
> > that they are NOT APRS equipped for messages.
> >
> >(Note to rwf, alt-S-MODES-SPECIAL worked here...)
> >
> >IS THERE ANYTHING ELSE I SAID I WOULD FIX?
> >
>
>

APRSDos REPLY COMMENT:

de wb4apr@amsat.org

From n2czf@gate.net Sun Jun 09 14:29:16 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id OAA17183 for <aprssig@tapr.org>; Sun, 9 Jun 1996
14:29:14 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.149 (wpbfl2-22.gate.net [199.227.125.149]) by
osceola.gate.net (8.6.12/8.6.12) with SMTP id PAA10000 for <aprssig@tapr.org>;
Sun, 9 Jun 1996 15:29:05 -0400
Date: Sun, 9 Jun 1996 15:29:05 -0400
Message-Id: <199606091929.PAA10000@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1745] Re: KD4EMI& basic Stamps
To: aprssig@tapr.org
In-Reply-To: <960608191308_322376783@emout19.mail.aol.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

On Sat, 8 Jun 1996, KD4EMI@aol.com wrote:

>I recieved a few private mails with ideas for the stamp. I'll list them and
>see what you guys think...
>
>#1 Have the stamp alert you when someone connects to your tnc...
>(not a problem) more code...can be done in an hour...
>
Good idea but do not make it "A La Motorola" (Over Engineer!) All you need for
that is a 2N2222 and a piezo buzzer connected to the CON LED. Whenever the CON
LED lights that will signal the transistor to turn on the piezo. Simple cheap
and QUICK!

Ahhh Summer in Florida storm took out power now gotta run....

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've
forgotten this before. Steven Wright

From fehner@cts.com Sun Jun 09 15:07:12 1996
Received: from mailhub.cts.com (mailhub.cts.com [192.188.72.25]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA19820 for <aprssig@tapr.org>; Sun, 9 Jun 1996
15:07:10 -0500 (CDT)
Received: from fehnercom.cts.com(really [198.68.171.229]) by mailhub.cts.com
via smail with smtp
id <m0uSqlP-000VYMC@mailhub.cts.com>
for <aprssig@tapr.org>; Sun, 9 Jun 96 13:07:07 -0700 (PDT)
(Smail-3.1.92 1996-Mar-19 #3 built 1996-Apr-21)
Message-Id: <2.2.32.19960609201226.006b66c8@mail.cts.com>
X-Sender: fehner@mail.cts.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 09 Jun 1996 13:12:26 -0700
To: aprssig@tapr.org
From: Barbara Fehner <fehner@cts.com>
Subject: Re: [APRSSIG:1757] Re: HSP bug and next APRS

Thank you, thank you, thank you Bob. No, I have never used the Mouse Digitizer.

On another subject, I checked several maps that I have converted to WGS84 at
the corner points and the center. The correction is consistent as I surmised
so changing the map origin is a valid method. It put my average GPS position
right on top of my house as opposed to the previous position 175 yards west.
I have also documented through the USGS database that the 100K and 2M data
are from maps that were drawn using the NAD27 datum as expected. I also
concluded that it is not worth changing the datum on maps made from the 2M
data so I am only going to change my maps that were generated from the 100K
data. I would suggest that any maps that are changed be documented as such

in the remarks area of the map file.

Barbara KK6IB
E-Mail: fehner@cts.com

At 12:48 PM 6/9/96 -0500, you wrote:

>I finally did it in MAPFIX25 distributed in APRS76b and c. If you dont
>have it, wait for 76d due to bugs in APR....

>

>I took out the POOR-MANS-MOUSE-DIGITIZER... You werent useing that were you?

>

>

>On Tue, 7 May 1996, Barbara Fehner wrote:

>

>> Please import the mouse driver from APRS into Mapfix so that those of us
>> with Win95 or a bus mouse can use the mouse with Mapfix.

>>

>> Thanks,

>>

>> Barbara KK6IB

>> E-Mail: fehner@cts.com

>>

From n2czf@gate.net Sun Jun 09 16:21:22 1996

Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id QAA22346 for <aprssig@tapr.org>; Sun, 9 Jun 1996
16:21:17 -0500 (CDT)

From: n2czf@gate.net

Received: from 199.227.125.165 (wpbfl2-38.gate.net [199.227.125.165]) by
osceola.gate.net (8.6.12/8.6.12) with SMTP id RAA37450 for <aprssig@tapr.org>;
Sun, 9 Jun 1996 17:21:02 -0400

Date: Sun, 9 Jun 1996 17:21:02 -0400

Message-Id: <199606092121.RAA37450@osceola.gate.net>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Florida Statewide APRS Meeting

To: aprssig@tapr.org

X-Mailer: SPRY Mail Version: 04.00.06.17

I will like to see a show of hands as to who is interested in a APRS meeting for the state. We have enough user groups in the state now to suggest a special meeting and I have already been approached by several about some possibilities.

The feeling so far is to have 1-2 users from each area attend. These users should be the ones who are ACTIVE and COMPETENT with APRS in their area and are willing to spend some time working before and much more after the meeting.

The reason for 1-2 users and not a whole clan is not to limit activity but to make a location much easier to find to have this at right now. The aim of the meeting will be to talk about where APRS is going to go in FL, if it will go anywhere at all, and if it does how are we going to accomplish this. Time will

be limited to rag chew and teach beginner's since most everyone will need to drive quite a distance so that is the reason for only 1-2 people. We have all played with APRS long enough now and with the exception of 1 or 2 areas nothing constructive has been done yet.

Those attending will then have the task of taking notes and possibly getting everyone in their area together for a local meeting, filling everyone in and start the wheels turning. If no meeting is held at least get a copy of the notes to everyone or have a net on a local repeater to talk about the subjects.

Once everything starts rolling, if it does, then we can make plans for a more general meeting, possibly at the Tampa or Melbourne Hamfest since they are popular and in the central part of the state.

NOTE: If anyone is interested in Melbourne this September LET ME KNOW ASAP. September is not too far away and I am sure that the closing date for a room request is even closer!

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before. Steven Wright

From billh@netins.net Sun Jun 09 16:27:06 1996
Received: from worf.netins.net (root@worf.netins.net [167.142.225.4]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA22489 for <aprssig@tapr.org>; Sun, 9 Jun 1996 16:27:03 -0500 (CDT)
Received: from 199.120.94.72 (elrg-01-07.dialup.netins.net [199.120.94.72]) by worf.netins.net (8.7.5/8.7.2) with SMTP id QAA28895 for <aprssig@tapr.org>; Sun, 9 Jun 1996 16:26:59 -0500 (CDT)
Message-ID: <31BB40B8.4266@netins.net>
Date: Sun, 09 Jun 1996 21:23:04 +0000
From: "John W.(Bill) Hays" <billh@netins.net>
Reply-To: billh@netins.net
Organization: INS Info Services, Des Moines, IA, USA
X-Mailer: Mozilla 2.0 (Macintosh; U; 68K)
MIME-Version: 1.0
To: APRS SIG <aprssig@tapr.org>
Subject: USE CD-ROM MAPS direct
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I discovered a way to use the Map files direct from the Sproul Bros. CD-ROM. You thereby save an awful lot of storage space on a hard drive.

This works on a Macintosh IIfx, not sure if an equivalent approach is available for the Windows version of APRS. It is VERY slow loading the program when it gets to the "reading map files" stage. It seems to be quite satisfactory, though admittedly slower than direct from a HD,

when loading the map files from within the MacAPRS program from the CD-ROM drive.

Open the Spoul Bros. CD-ROM directory and open succeeding sub-directories down to the file labeled "DCW_USA" (MAPS_01:DCW:DCW_USA) and make the alias called "DCW_USA alias". It will say, "can't do so because file is locked, do you want to make it on the desk top" or some such statement. Do so and then drag the alias to the map folder in your hard drive where you have all the other maps for MacAPRS. I also made an alias file, "USA_IAIL alias" from the CD-ROM subdirectory (MAPS_01:PC_MAPS:UNCOMP:USA_IAIL) of the unzipped PC-APRS files.

It is interesting to note you can not use this scheme to make an alias of the CD-ROM itself or of the next lower two or three subdirectories, however you can of the next to last subdirectory.

This approach places a heiroglyphical entry in your map listing of all the files/maps in the lowest directory and allows you to open them into a new map window on MacAPRS.

I hope I have not thoroughly confused averyone, play with it. I'll bet you

figure it out in spite of my "DOCS" now I know why software authors hate writing supporting DOCS!!!!

73,

Bill w0omv email:billh@netins.net

From jaym1@soho.ios.com Sun Jun 09 17:21:44 1996

Received: from soho.ios.com (root@soho.ios.com [198.4.75.47]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA24589 for <aprssig@tapr.org>; Sun, 9 Jun 1996 17:21:39 -0500 (CDT)

Received: from [206.20.7.10] (ppp-10.ts-1.ct.idt.net [206.20.7.10]) by soho.ios.com (8.6.12/IDT) with SMTP id RAA18507 for <aprssig@tapr.org>; Sun, 9 Jun 1996 17:56:08 -0400

Message-Id: <v01510100ade0f929dd2e@[206.20.7.33]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sun, 9 Jun 1996 17:59:25 -0400

To: aprssig@tapr.org

From: jaym1@soho.ios.com (Jay Millard)

Subject: Kenwood Service

My Kenwood 940S that I use for APRS on HF rolled over and died last night. In an attempt to locate a reputable service tech for same, I am soliciting members of the APRSSIG for their knowledge or experience. Tech or service center should be located in CT or close to metro New York City area. Thanks in advance.

Jay Millard

Amateur Radio Station KD1LY

Darien, CT 06820

From bruninga@nadn.navy.mil Sun Jun 09 17:49:24 1996

Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA25594 for <aprssig@tapr.org>; Sun, 9 Jun 1996 17:49:19 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id SAA28483; Sun, 9 Jun 1996 18:50:09 -0400

Date: Sun, 9 Jun 1996 18:50:08 -0400 (EDT)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1759] Re: HSP bug and next APRS

In-Reply-To: <2.2.32.19960609201226.006b66c8@mail.cts.com>

Message-ID: <Pine.SUN.3.91.960609184813.28472B-100000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

OK, but what is the conversion algorithm? for the single point ORIGIN.

I know we discussed all this, but did we get it down to a single equation...?

de wb4apr@amsat.org

From cbuttsch@slonet.org Sun Jun 09 19:09:16 1996

Received: from spork.callamer.com (cbuttsch@spork.callamer.com [199.74.141.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA27800 for <aprssig@tapr.org>; Sun, 9 Jun 1996 19:09:13 -0500 (CDT)

Received: from localhost (cbuttsch@localhost) by spork.callamer.com (8.7.5/8.7.3) with SMTP id RAA05152 for <aprssig@tapr.org>; Sun, 9 Jun 1996 17:07:01 -0700 (PDT)

Date: Sun, 9 Jun 1996 17:07:00 -0700 (PDT)

From: Clifford Buttschardt <cbuttsch@slonet.org>

X-Sender: cbuttsch@spork.callamer.com

To: aprssig@tapr.org

Subject: Re: APRS75D.zip download

In-Reply-To: <1.5.4.16.19960608201123.10c78bc6@apex2000.net>

Message-ID: <Pine.SOL.3.93.960609170355.4743B-100000@spork.callamer.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Once again, I simply can not get through the maze of trying to download APRS75D.zip mentioned early today. Where is it? Under what banner is it being hidden? and what is the address either FTP or WWW can one get it?

Cliff W6HDO

From alan@watsun.cc.columbia.edu Sun Jun 09 20:46:58 1996

Received: from manila.cc.columbia.edu (manila.cc.columbia.edu [128.59.39.200]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA01127 for <aprssig@tapr.org>; Sun, 9 Jun 1996 20:46:55 -0500 (CDT)

Received: (from alan@localhost) by manila.cc.columbia.edu (8.7.5/8.7.3) id VAA07376; Sun, 9 Jun 1996 21:46:37 -0400 (EDT)

Date: Sun, 9 Jun 96 21:46:37 EDT

From: Alan Crosswell <alan@watsun.cc.columbia.edu>

To: aprssig@tapr.org

Cc: aprssig@tapr.org

Subject: Re: [APRSSIG:1711] Symbols on maps?

In-Reply-To: Your message of Fri, 7 Jun 1996 22:02:34 -0500 (CDT)
Message-ID: <CMM.0.90.4.834371197.alan@manila.cc.columbia.edu>

I am doing labels with Tiger/LINE data.
/a

From N2ZRC@gnn.com Sun Jun 09 21:13:07 1996
Received: from mail-e2b-service.gnn.com (mail-e2b-service.gnn.com [204.148.102.170]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA01951 for <APRSSIG@tapr.org>; Sun, 9 Jun 1996 21:13:03 -0500 (CDT)
Received: from 12-190.client.gnn.com. (12-190.client.gnn.com [205.188.12.190]) by mail-e2b-service.gnn.com (8.7.1/8.6.9) with SMTP id WAA01567 for <APRSSIG@tapr.org>; Sun, 9 Jun 1996 22:12:18 -0400 (EDT)
Message-Id: <199606100212.WAA01567@mail-e2b-service.gnn.com>
X-Mailer: GNNmessenger 1.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 09 Jun 1996 22:11:58
From: Arte Booten <N2ZRC@gnn.com>
To: APRSSIG@tapr.org
Subject: Re: [APRSSIG:1713] DOCUMENTATION

On Fri, 7 Jun 1996 William B. Bliss/WB6LPG wrote:

>A recent Packet BBS message, 16-APR 03:21 from N2ZRC titled
>"How to set up APRS" appeared and addressed APRS@ALLUS on the
>Packet system. Art Booten/N2ZRC is here on this net.

Jim, KU0G, has posted my "Some Really Simple Basic Instructions on Getting APRS on the air NOW!" on his KC-APRS Web site and I think Bob may be including it in future distributions of APRS. Nonetheless, (and excuse me if some of you think it's too soon to post this again) I'm attaching it below as plaintext. I'd appreciate it if someone could either post it on aprssig/files or tell me how I can do so.

SOME REALLY SIMPLE BASIC INSTRUCTIONS
ON GETTING APRS ON THE AIR NOW

Copyright (c) Arthur Booten 1996. All Rights Reserved (*)

NOTE: I have used APRS 7.5 for this example. If the version you are using is something else, substitute that something else for 75 (ie: if you've got version 9.9z, use APRS99z.) Also, if you downloaded APRS (FTP, BBS, etc) or got it from a C-D, substitute "A:" for the appropriate path.

If you don't use Windows, but have PKZIP204g, put the APRS disk into the floppy drive of your choice (I'll call it drive A) then expand the APRS files by using the following commands on the hard drive of choice. Note the use of the "-d" command to create the necessary subdirectories.

Make an appropriate directory	MD APRS
Change to this directory	CD \APRS
Switch to the A drive	A:
Run PKUNZIP with directories	PKUNZIP -d APRS75.zip C:

If you use WINZIP, change to drive A and double-click on APRS75.zip, click expand button, tell it where you want it and follow onscreen directions. If the distribution you have is on more than one floppy disc, you'll have to have PKZIP properly installed and it's location known to WINZIP.

***** V E R Y I M P O R T A N T *****
IF YOU ARE USING A KANTRONICS TNC, OPEN THE FILE "INITTAPR.TNC" (it's in the "SYSTEM" folder) AND, USING ANY TEXT EDITOR, CHANGE THE LINE THAT SAYS "PAR 0" TO "PAR NONE" IF IT'S A KPC-3 OR THE APPROPRIATE FIGURE FOR YOUR MODEL. IF YOU DON'T, YOUR TNC WON'T UNDERSTAND ANYTHING THE PROGRAM WILL TELL IT!!

Make sure your TNC is in Terminal or Command mode (whatever it's called by the manufacturer.) Go to the DOS prompt (NOT in a "DOS window",) go to your chosen APRS folder and invoke "APRS75.exe". This brings you to the LOGO screen. Enter your callsign. Tell it what kind of TNC you're using. Answer the other various questions. When you're done, the main map screen will appear.

Now press M(aplist) then C(hange), and tell it you want the appropriate maplist for your area. This will probably be either EAS(t), SE (Southeast), CEN(tral), WES(t) or NW (Northwest.) Use the arrows or mouse to bring the cursor to your approximate location (keep your eye on the upper left part of the screen which shows latitude/longitude of the cursor.) Then press HOME to center the screen on it. Use the PgDN key to zoom in a few screens and tweak the cursor to your EXACT QTH. You may have to zoom in to a very small scale to get the necessary resolution. Once the cursor is at the right spot hit the HOME key again.

Press I(nput) M(y qth) and confirm your lat/long, choose a symbol for yourself (try S(ymbol) - for starters ... it's the little house), type in a brief comment, and verify it. Once you press that "Y" you're essentially ready to go on the air! In it's most basic form, you're configured! Tune the radio to

145.79, hook it up and see what you can see. It might take a few minutes for other stations to appear (assuming there are some) but if you get a little impatient, try pressing O(perations) Q(uey) and give it a radius such as 64 to force position reports from others.

Look for stations whose symbol is a star. THESE ARE THE WIDE DIGIPEATERS! Is there one fairly close to you? If there is, press the D(igipath) key. If an asterisk (*) appears next to a callsign (hopefully that nearby WIDE) then you're hearing it directly. Make a note of that nearby WIDE station's digipeater path.

Now you're going to set YOUR digipeater path. Press O(perations) D(igipeaters). If you heard that WIDE station directly, enter it's callsign and ssid, if any. Follow this with a comma, then type in "WIDE". For example: "WA2JNF-4,WIDE" would be how I'd enter it here in The Bronx, but the nearest WIDE to YOU is what YOU'RE looking for.

If you're not in range of a WIDE digipeater, look at the path used by the station closest to you, again using D(igipath). Can YOU hear this station? If so, you might try using that call as the first digipeater in your path, followed by whatever they have set for theirs. As a matter of courtesy, try to avoid this as a normal means of operation unless you have that station's permission. Few of us have rigs that can handle much more than a 40 to 50% duty cycle.

Next you want to set your Power-Height-Gain figures. Press I(nput) P(ower) and tell it how many watts you're using, your antenna's height above AVERAGE terrain (look at a topographical map of your area,) the gain in dBd and the antenna's directional pattern in degrees or 0 (zero) for an omnidirectional antenna.

Finally, set your Beacon Text by pressing Alt-B(eacon) and typing in a short comment different than the text you used for your Position Text earlier. At this point, you're about as far as you need to go for now.

APRS has extensive documentation included with every distribution. Most of these will be located in the "README" folder and can be viewed even when the program is running by pressing F1 - F(iles) and typing in the name of the file you want to see. I suggest you carefully read "HELP.TXT," "SCREEN.TXT" and "OPS.TXT" to give you an overview of the most pertinent information.

If you have access to E-mail, there is even a mail reflector you can subscribe to which will keep you up-to-date on the latest information on APRS and to which you can send your many questions. To subscribe, send a message to "listserv@tapr.org"

with the subject of "subscribe". The body of the message should read "subscribe aprssig your_name" where your_name is... YOUR name!

I hope to see you all on my screen in the VERY near future. Look for me at cruise missile coordinates:
4052.69N/07354.06W.
73 de Arte / N2ZRC

(*) = But feel free to use it, distribute it, re-post it and enjoy it, as I had no intention to claim exclusive use of it. APRS isn't exactly intuitive in it's installation and setup and any help we can get out to the newbie should be welcomed.

Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)
(Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

Target those coordinates and fire quantum torpedoes.....

From jbledsoe@flash.net Sun Jun 09 22:39:32 1996
Received: from defiant.flash.net (defiant.flash.net [206.190.60.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA04931 for <aprssig@tapr.org>; Sun, 9 Jun 1996 22:39:28 -0500 (CDT)
Received: from [206.190.62.179] (p2-179.flash.net [206.190.62.179]) by defiant.flash.net (8.6.12/8.6.9) with SMTP id WAA21980; Sun, 9 Jun 1996 22:39:16 -0500
Date: Sun, 9 Jun 1996 22:39:16 -0500
Message-Id: <199606100339.WAA21980@defiant.flash.net>
Subject: aprs for spotters, df'ers
From: Jeffrey Bledsoe <jbledsoe@flash.net>
To: "TAPR APRS Special Interest Group" <aprssig@tapr.org>
cc: "Mike Heskett" <mheskett@startext.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Hello,

I am thinking of getting into aprs to keep track of storm spotters and df'ers; I'm trying to conceptualize how I can merge aprs with our existing map; any response to the following questions is greatly appreciated.

I ceated a Skywarn map for our county one year ago. Could an image of my map's grid system, in GIF or some other common format, be merged with aprs maps for the Macintosh? If so, do the Mac maps have a transparent background so that my grid system could be placed behind the aprs image of our county roads..... and still be (mostly) visible?

To get a feel for my grid & numbering technique, see GIF's of my

Skywarn and detailed maps at: <http://www.flash.net/~jbledsoe>

Thanks,

Jeff Bledsoe / N5YMV

From rsellers@misha.net Sun Jun 09 23:22:24 1996
Received: from misha.net (delta.www.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id XAA06808 for <aprssig@tapr.org>; Sun, 9 Jun 1996
23:22:20 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id XAA26644; Sun, 9 Jun 1996 23:22:14 -0500
Date: Sun, 9 Jun 1996 23:22:14 -0500
Message-Id: <199606100422.XAA26644@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:1721] Re: SMB to BNC adaptor for Trimble Ant

>Hey Roger,
>Do you know that you and Paul aren;t showing up on the screen anymore?
>Haven't been for a couple of weeks.
>
>73 barry

I was told by Henry he could see my messages but couldnt see me. I'm seeing
every one in Chicago OK. I havnt changed anything on my main setup so I'm
not sure.

Paul hasnt been on since the last big electrical store because his PC took a
hit. Not sure as to the extent of damages. We haven't figured out the extent
of it yet.

73,

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From rsellers@misha.net Sun Jun 09 23:31:27 1996
Received: from misha.net (delta.www.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id XAA06969 for <aprssig@tapr.org>; Sun, 9 Jun 1996
23:31:23 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id XAA26855; Sun, 9 Jun 1996 23:31:18 -0500
Date: Sun, 9 Jun 1996 23:31:18 -0500
Message-Id: <199606100431.XAA26855@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:1726] Re: Precision Mapping 2.0

>Ok People, what is the catch. CD-ROM Mapping and a GPS interface for free
(beta)
>at what is it \$39 ?? Plus a free CD with either the WHite Pages or Yellow
>pages...
>
>Many have seen the DeLorem stuff, what is the difference in data quality if
any?
>As far as I know most if not all of the data is the same since it comes
from the
>same source. This sounds too good to be true since MapExpert comes out to be
>about \$300 once you get the GPS Add On shipped to you and you buy the actual
>MapExpert CD.
>
>If it is as good as it sounds it seems to be that DeLorem will be suffering
from
>a short life span!
>

I had to buy the Precision Mapping 2.0 at \$39 to get the Beta GPS program
to work. It wont work with the Precision Mappint LITE. The mapping program
requires the CD-Rom to get any detail level. The GPS program ran on my
Desktop PC, but since I don't have a portable CD-Rom drive, I cant test it
on my laptop yet. It looks like I'd have to LAPLINK an install to my laptop
to make it work there. It seems rather silly to Have a GPS program I can
only get to run on my desktop.

In other words, you MUST HAVE Precision Mapping 2.0 on CD in order to get
the GPS program to run it seems at present. There's too my gyrations you
have to go thru to run it from on a laptop without the use of a CD-Rom on
the laptop. It will currently eat about 5+ megs of space on a HD as well.

73,

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From kc5ejk@onramp.net Mon Jun 10 00:20:20 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id AAA15049 for <aprssig@tapr.org>; Mon, 10 Jun 1996
00:20:18 -0500 (CDT)
Received: from [199.1.11.130] (dal30.onramp.net [199.1.11.130]) by
mailhost.onramp.net (8.7.3/8.6.5) with SMTP id AAA17247 for <aprssig@tapr.org>;
Mon, 10 Jun 1996 00:20:13 -0500 (CDT)
Message-Id: <v02130500ade16043bbde@[199.1.11.136]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 10 Jun 1996 00:20:15 -0500

To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: [APRSSIG:1764] Re: APRS75D.zip download

>Once again, I simply can not get through the maze of trying to download
>APRS75D.zip mentioned early today. Where is it?

Same place as always:
ftp://ftp.tapr.org/tapr/SIG/aprssiG/files/upload/

But the D version may not be there yet the directory data is June 7.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From jvoisin@nebula.ispace.com Mon Jun 10 06:07:01 1996
Received: from nebula.ispace.com (root@nebula.ispace.com [204.149.254.7]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA24994 for <aprssiG@tapr.org>; Mon, 10
Jun 1996 06:06:58 -0500 (CDT)
Received: from orl-104.ispace.com (orl-104.ispace.com [204.149.254.104]) by
nebula.ispace.com (8.6.11/8.6.9) with SMTP id HAA19949 for <aprssiG@tapr.org>;
Mon, 10 Jun 1996 07:09:44 -0500
Received: by orl-104.ispace.com with Microsoft Mail
id <01BB569B.7A3F29A0@orl-104.ispace.com>; Mon, 10 Jun 1996 07:07:25 -0400
Message-ID: <01BB569B.7A3F29A0@orl-104.ispace.com>
From: "Jacques C. VOISIN" <jvoisin@nebula.ispace.com>
To: "'aprssiG@tapr.org'" <aprssiG@tapr.org>
Subject: RE: [APRSSIG:1760] Florida Statewide APRS Meeting
Date: Mon, 10 Jun 1996 07:06:15 -0400
Return-Receipt-To: <jvoisin@nebula.ispace.com>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="---- =_NextPart_000_01BB569B.7A4FF280"

----- =_NextPart_000_01BB569B.7A4FF280
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi Rich,

We are with you here in Orlando. The suggestion of Melbourne is great =
and we will follow your progress in setting this up. If you need any =
help let me know and will try to work from this end.

73's

Jacques KD4TWB

----- =_NextPart_000_01BB569B.7A4FF280
Content-Type: application/ms-tnef
Content-Transfer-Encoding: base64

eJ8+IhkLAQaQCAAEAAAAAAAAABAAEAAQeQBgAIAAAAA5AQAAAAAADAoAAENgAQAAgAAAAIAAgABBJAG

AAwBAAAABAAAADAAAAAAMAADADAAAAACwAPDgAAAAACAf8PAQAAAD8AAAAAAGSsfpL6jEBmdbgDd
AQ9UAgAAAAABhcHJzc2lnQHRhcHIub3JnAFNNVFAAYXByc3NpZ0B0YXByLm9yZwAAHgACMAEAAAAAF
AAAAU01UUAAAAAAAEAMwAQAAABEAAAABhcHJzc2lnQHRhcHIub3JnAAAAAAMAFQwBAAAAAwD+DwYA
AAAEAAEWAAQAAABMAAAANyXByc3NpZ0B0YXByLm9yZycAAAIbCzABAAAAFgAAAFNNVFA6QVBSU1NJ
R0BUQVBSLk9SRwAAAAAAMADkAAAAACwBAOgEAAAAACAFYPAQAAAAQAAAAAAADEy4BCIAHABgAAABJ
UE0uTW1jcm9zb2Z0IE1haWwuTm90ZQAxCAEEgAEAMwAAAAFJF0iBbQVBSU1NJRzoxNzYwXSBGbG9y
aWRhIFN0YXRld2lkZSBBUFJTIE1lZXRpbmcgANQPAQWAAwA0AAAAzAcGAAoABwAGAA8AAQAAAEg
gAMADgAAAMwHBgAKAAcABAACAAEA8QABCYABACEAAAAAwNDQ3RkMzQjhEQzJDRjExQUFENjQ0NDU1
MzU0MDAwMAAHBwEDKAYA8AIAABIAAAALACMAAQAAAAAMAJgAAAAACwApAAAAAADADYAAAAAAEAA
OQAgTGDxvFa7AR4AcAABAAAAAMwAAAFJF0iBbQVBSU1NJRzoxNzYwXSBGbG9yaWRhIFN0YXRld2lk
ZSBBUFJTIE1lZXRpbmcgAAACAXEAAQAAABYAAAAABu1a811c7/EcFwo0Rz6rWREVTVAAAAAAEAB4M
AQAAAAUAAABTTVRQAAAAAB4AHwwBAAAAGgAAAGp2b2lzaW5AbmVidWxhLm1zcGFjZS5jb20AAAAAD
AAYQDtGHAQMABxCtAAAAHgAIEAEAAABIAAAASElSSUNILFdFQVJFV01USF1PVUhFUKVJTK9STEFO
RE9USEVTVUdHRVNUSU90T0ZNRUxCT1VSTkVJU0dSRUFUQU5EV0VXSUXMRk9MTE9XWU9VU1BST0dS
RVNTSU5TRVRUSU5HVAaaaaaCAQkQAQAAAFMBAAABPAQAA5AEAAExaRnX/aJ+P/wAKAQ8CFQKoBesC
gwBQAvIJAgBjaArAc2V0MjcGAAbDAoMyA8UCAHByQnER4nN0ZW0CgzP3AuQHEwKDNANFEzUHBQKA
/n0KgAjPCdkCgAqBDbELY0BuZzEwMxRQCwoVYVML8BHgSGkH8GkRcCzhCoUgV2UgCsAcoAPwKHRO
IHkIYCB0BJAJHKAALgCBPchnRZG8GLhZAHZAGc3VnZ4kHkHRPAiAgb2YF00x1bAbgCHBuHcEEIAnB
3mEFQB5BHPAc4mwDIAIqVSGAbwfgHVEFWBNQbwnB3wQRHeERsR9AGfAgHSAgyfR1cB6ASR+gHVIg
MAMAhSDheR2BbHAgbBHA4iAhGCBRbiHxIPMhcmR0ciUgdG8c8AWwa08hoANhI6QJ8GQuCoU3qDMn
cwqFSgDQcQpQgQQgS0Q0VfDCCoUFF2EAKzAAAwaQEAAAAAADABEQAAAAAAEAABzDgbYuIvFa7AUAA
CDDgbYuIvFa7AR4APQABAAAABQAAAFJF0iAAAAAAo8U=

----- =_NextPart_000_01BB569B.7A4FF280--

From w2g3zfj@unix.asb.com Mon Jun 10 07:50:19 1996
Received: from unix.asb.com (root@unix.asb.com [165.254.128.4]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA28202 for <aprssig@tapr.org>; Mon, 10 Jun 1996
07:50:17 -0500 (CDT)
Received: from asb37 (sls27.asb.com [165.254.128.37]) by unix.asb.com
(8.6.12/8.6.9) with SMTP id IAA15874 for <aprssig@tapr.org>; Mon, 10 Jun 1996
08:51:49 -0400
Message-Id: <199606101251.IAA15874@unix.asb.com>
X-Sender: w2g3zfj@unix.asb.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 10 Jun 1996 08:45:48 -0400
To: aprssig@tapr.org
From: w2g3zfj@unix.asb.com (bob)
Subject: WINAPRS 'features'?
X-Mailer: <PC Eudora Version 1.4>

Hi Folks

I've been running a registered copy of winAPRS for the last 2-3 weeks as a
Gateway in Long Island (hf->vhf only) and have noticed a few 'bugettes'
which I wonder if anyone else has seen.

-my Gate symbol frequently (3-4 times a day) gets changed back to the
default qth symbol. It can be reset by forcing my position to be re-sent.

-when I go tracker mobile, g3zfj-9, on every occassion when I return home
several of the position reports will have labels either for other stations

or like times e.g. 15:23:34 etc. Last weekend I parked and left the tracker on, when I got home there was kd4uyr sitting in Oakdale! I knew Kevin wouldn't have moved from Fl!

-if I manipulate screens it will crash quite often i.e. open/close a few map windows. If I leave it alone its very stable.

Info:- Kam Plus, 80MHzdx2 clone, 8M Ram, winAPRS v1.0

Any ideas? Any timescales for next revision of winAPRS?

73 de bob w2/g3zfq
w2g3zfq@unix.asb.com
<http://www.asb.com/usr/w2g3zfq/>

From dmoble@encore.com Mon Jun 10 07:59:06 1996
Received: from ns.encore.COM (ns.encore.COM [129.91.131.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA28288 for <aprssig@tapr.org>; Mon, 10 Jun 1996 07:59:04 -0500 (CDT)
Received: from rt-tss.encore.COM by ns.encore.COM with SMTP id AA04046 (5.67/UK-2.1-950411); Mon, 10 Jun 96 08:56:31 -0400
Received: from localhost by rt-tss.encore.com; (5.65v3.2/1.1.8.2/13May96-1039AM) id AA19155; Mon, 10 Jun 1996 08:54:56 -0400
Sender: dmoble@encore.com
Message-Id: <31BC1B20.4A7B@encore.com>
Date: Mon, 10 Jun 1996 08:54:56 -0400
From: Dennis Mobley <dmoble@encore.com>
Organization: Encore Computer Corp
X-Mailer: Mozilla 2.02 (X11; I; OSF1 V3.2 alpha)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1760] Florida Statewide APRS Meeting
References: <199606092121.RAA37450@osceola.gate.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

n2czf@gate.net wrote:

>
> I will like to see a show of hands as to who is interested in a APRS meeting for
> the state. We have enough user groups in the state now to suggest a special
> meeting and I have already been approached by several about some possibilities.
>
> The feeling so far is to have 1-2 users from each area attend. These users
> should be the ones who are ACTIVE and COMPETENT with APRS in their area and are
> willing to spend some time working before and much more after the meeting.

And how do you suggest these "1 or 2" folks be picked from the masses?
Also, could you define "areas"...

Lets see, I here by declare myself APRS (Mac of course) of area EL96UD!!!

Rich, I hope you have a smile on your face....
In all seriousness, good idea but you need a better plan.

IMHO, the VHF/UHF digital folks are a bit scared of "closed meetings" to define a networks policies. We have other "group" here in Florida that do a good job of irritating folks.

If you want a state "WIDE" meeting fine, but there are a lot better ways to manage the event.

Might I suggest....

1. Form a working group to generate a statement of objectives.
Note, this can be done via email but, I would suggest off the SIG!
2. Formulate a detailed agenda.
3. Publish a the statement of objectives and the meeting agenda.
4. Follow you detailed agenda at the meeting.

If this is just a "bull" session then I would expect your meeting to turn into pandemonium.

Question, which I expect the working committee to define, what are we(you) trying to achieve?

Also, who is going to enforce any resulting policies?

Rich, don't take me wrong, I think that a state APRS group meeting would be great. It is my opinion that great thought and care should be exercised.

SNIP

> 73's De Rich N2CZF
> n2czf@gate.net
> Jupiter Farms Florida
>

73 de Dennis Mobley KT4FI
Sunrise, FL (EL96UD)

From BordingK@aol.com Mon Jun 10 08:07:50 1996
Received: from emout18.mail.aol.com (emout18.mx.aol.com [198.81.11.44]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA28652 for <aprssig@tapr.org>; Mon, 10 Jun 1996 08:07:47 -0500 (CDT)
From: BordingK@aol.com
Received: by emout18.mail.aol.com (8.6.12/8.6.12) id JAA04901 for aprssig@tapr.org; Mon, 10 Jun 1996 09:07:11 -0400
Date: Mon, 10 Jun 1996 09:07:11 -0400
Message-ID: <960610090711_323572681@emout18.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1771] RE: Florida Statewide APRS Meeting

KF4COH in Jacksonville would like to be included in any FL meeting plans.

From seront@seism1.ess.sunysb.edu Mon Jun 10 08:35:45 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org

(8.7.5/8.7.3/1.9) with ESMTP id IAA29629 for <aprssig@tapr.org>; Mon, 10 Jun 1996 08:35:42 -0500 (CDT)

Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDf V5.0-4 #8051) id <01I5QM5R0FCG9YCQGM@ccmail.sunysb.edu> for aprssig@tapr.org; Mon, 10 Jun 1996 09:35:38 -0400 (EDT)

Received: from corto.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA03110; Mon, 10 Jun 1996 09:34:51 -0400 (EDT)

Date: Sun, 09 Jun 1996 21:35:16 -0400

From: Bernard Seront <seront@seism1.ess.sunysb.edu>

Subject: Re: [APRSSIG:1763] Re: HSP bug and next APRS

X-Sender: seront@seism1.ess.sunysb.edu

To: aprssig@tapr.org

Message-id: <2.2.32.19960610013516.008b6f94@seism1.ess.sunysb.edu>

MIME-version: 1.0

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: quoted-printable

At 06:15 PM 6/9/96 -0500, you wrote:

>OK, but what is the conversion algorithm? for the single point ORIGIN.

> I know we discussed all this, but did we get it down to a=20

>single equation...?

>

>

Don't think something has been discussed here for equations and coordinates transformation methods, but here is a shareware program that seems to do the job quite well:

available on:

<http://www.connect.net/jbanta/>

SeisSoft Multiple Regression Transform=A9 v 1.0=20

A new Windows (3.1 & Win95/NT, 16 & 32 - bit versions) Shareware program that converts Lat/Long between various datums.=20

All constants from the US Defense Mapping Agency Technical Report DMA TR 8350.2 Second Edition.=20

Important Note: The Multiple Regression Transform is the preferred method for converting between various datums.

Unfortunately, it is only available for converting between WGS84 and seven other datums:

Australian Geodetic Datum 1966=20

Australian Geodetic Datum 1984=20

Campo Inchauspe Datum=20

Corrego Alegre Datum=20

European Datum 1950=20

North American Datum 1927 (Mainland Canada)=20

North American Datum 1927 (Continental US)=20

South American Datum 1969=20

Where multiple regression values have not been computed, use the Molodensky Transform (See below).

...

Didn't check if the math are correct! (I would be in pain to do that anyway, :-)) but the guy seems to know what he is speaking about.

The simplest method, not the best in terms of accuracy, is to input the coordinates in you GPS with NAD27 datum, switch to WGS84 and read the converted coordinates. GPS usually use the Molodensky transform method, quite easy to program.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From ka1kjz@tigger.jvnc.net Mon Jun 10 08:40:52 1996
Received: from tigger.jvnc.net (tigger.jvnc.net [128.121.50.145]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA29712; Mon, 10 Jun 1996 08:40:38 -0500 (CDT)
Received: from ka1kjz.jvnc.net by tigger.jvnc.net with SMTP id AA11452 (5.65c/IDA-1.4.4 for fccreg@tapr.org); Mon, 10 Jun 1996 09:38:49 -0400
Date: Mon, 10 Jun 1996 09:38:49 -0400
Message-Id: <199606101338.AA11452@tigger.jvnc.net>
X-Sender: ka1kjz@popd.ix.netcom.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org, fccreg@tapr.org, fieldorg-1@netcom.com, ham-tech@netcom.com, n1hax@aol.com, n1qqv@aol.com, wk1s@aol.com, johngv@ns.iconn.net, bblewett@straycat.com, ralph.celone@dowut.com, pqb@uconnect.net, sbicycle@connix.com, walpyu@aol.com, ddbb23a@prodigy.com, dkostrey@iconn.net, 0005164217@mcimail.com
From: "Ronald C. Barnes" <ka1kjz@tigger.jvnc.net>
Subject: My take on the WRC97 Action

Well, they are at it again, picking on Ham Radio for spectrum. The recent CONSIDERATION of the WRC97 committee responsible for the LEO satellites has targetted 2 meters and 440 as POSSIBLE areas on which to stick the satellites. But lets take a deep breath and think about this for a moment.

Satellites need to be small, light weight, and power efficient. Now think of the size of tuned circuits, power amplifiers, and most importantly, antennas at 144 MHz. Not very small are they? 440, though a third smaller, is still not an optimum band for a satellite service. I highly doubt they want to REALLY take 2 or 440.

Now take into consideration the MILLIONS of users on these bands worldwide. There is much more on 2 meters alone in the rest of the world than meets the

eye. The ham bands are used for business in Africa as the rigs are cheap and readily available. There are legitimate hams all over the world, let alone the USA. The efforts to clean up these bands, and the resulting QRM from the users that havent heard the word will be monumental. Again, I highly doubt they really want 2 and 440.

In my humble opinion, the real intent of the LEO operators is to take a different band, perhaps 1.2 or 2.4 GHz? The attempt to grab 2 and 440 is merely a smoke screen to divert our attention away from that. The higher, almost microwave bands are much more satellite friendly and any satellite manufacturer would never consider 144 or 440 MHz.

You may ask though, why would I want to save "those microwave bands". Those higher bands are the future of ham radio. When 2, 220, 440 get filled to capacity (most will argue they already are) there is nowhere to go but up. Technology these days is such that you can get on these bands with literally ONE CHIP. If ham radio does not keep and utilize these bands, then we are already a dead issue, but thats a topic for another time.

The alterior motive is probably buried in some document, in a language or unit of measure not easily recognized. Would you put up a fight against the reallocation of .144 GHz? or how about the reallocation of the 7 decimeter band? Do the math.

My advice? Continue to fight the reallocation of 2 and 440, as if no one does, then they might really end up with it, and not be able to make it work (see the history books about 220 and UPS). But WATCH THEM VERY CAREFULLY!! The real intent to grab one of the higher frequency bands is there somewhere.

Ronald C. Barnes KA1KJZ
ARRL CT Section Technical Coordinator

From billh@netins.net Mon Jun 10 08:46:07 1996
Received: from worf.netins.net (root@worf.netins.net [167.142.225.4]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA29868 for <aprssig@tapr.org>; Mon, 10 Jun 1996 08:46:05 -0500 (CDT)
Received: from 199.120.94.83 (elrg-01-18.dialup.netins.net [199.120.94.83]) by worf.netins.net (8.7.5/8.7.2) with SMTP id IAA29340 for <aprssig@tapr.org>; Mon, 10 Jun 1996 08:46:02 -0500 (CDT)
Message-ID: <31BC2630.2C1F@netins.net>
Date: Mon, 10 Jun 1996 13:42:08 +0000
From: "John W.(Bill) Hays" <billh@netins.net>
Reply-To: billh@netins.net
Organization: INS Info Services, Des Moines, IA, USA
X-Mailer: Mozilla 2.0 (Macintosh; U; 68K)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1761] USE CD-ROM MAPS direct
References: <31BB40B8.4266@netins.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John W.(Bill) Hays wrote:

>

Much deleted...

> This approach places a heiroglyphical entry in your map listing of
> all the files/maps in the lowest directory and allows you to open them

> 73,

> Bill w0omv email:billh@netins.net

One of my pet peeves is poor spelling and then in my above posting
I really blew it! Not only lousy spelling but a "great" malapropism
and poor grammar!

SRI

73,

Bill

From siggraph@dgp.toronto.edu Mon Jun 10 08:50:37 1996

Received: from explorer.dgp.toronto.edu (explorer.dgp.toronto.edu [128.100.1.129])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA00487 for <aprssig@tapr.org>; Mon,
10 Jun 1996 08:50:34 -0500 (CDT)

Received: from pc486 ([128.100.26.15]) by explorer.dgp.toronto.edu with SMTP id
<144011>; Mon, 10 Jun 1996 09:48:39 -0400

Message-ID: <31BBF028.5F3E@dgp.toronto.edu>

Date: Mon, 10 Jun 1996 05:51:36 -0400

From: Greg Blair <siggraph@dgp.toronto.edu>

Reply-To: siggraph@dgp.toronto.edu

Organization: ACM Toronto SIGGRAPH Professional Chapter

X-Mailer: Mozilla 3.0b4 (Win95; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1762] Kenwood Service

References: <v01510100ade0f929dd2e@[206.20.7.33]>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Jay Millard wrote:

>

> My Kenwood 940S that I use for APRS on HF rolled over and died last night.
> In an attempt to locate a reputable service tech for same, I am soliciting
> members of the APRSSIG for their knowledge or experience. Tech or service
> center should be located in CT or close to metro New York City area.
> Thanks in advance.

Why don't you send it back to Kenwood?

From bruninga@nadn.navy.mil Mon Jun 10 09:45:06 1996

Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA02540 for <aprssig@tapr.org>; Mon, 10
Jun 1996 09:45:03 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id
KAA22853; Mon, 10 Jun 1996 10:45:55 -0400

Date: Mon, 10 Jun 1996 10:45:54 -0400 (EDT)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org
Subject: Re: [APRSSIG:1764] Re: APRS75D.zip download
In-Reply-To: <Pine.SOL.3.93.960609170355.4743B-1000000@spork.callamer.com>
Message-ID: <Pine.SUN.3.91.960610104516.22772A@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 9 Jun 1996, Clifford Buttschardt wrote:

> Once again, I simply can not get through the maze of trying to download
> APRS75D.zip mentioned early today. Where is it? Under what banner is it
> being hidden? and what is the address either FTP or WWW can one get it?
> Cliff W6HDO

APRSdos REPLY COMMENT: My appologies, It will be uploaded in about an
hour to tapr/SIG/aprssiG/files/upload

de wb4apr@amsat.org

From roseag@miavx2.ham.muohio.edu Mon Jun 10 10:10:19 1996
Received: from muhaxp.ham.muohio.edu (muhaxp.ham.muohio.edu [134.53.16.4]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA03829 for <aprssiG@tapr.org>; Mon, 10
Jun 1996 10:10:16 -0500 (CDT)
From: roseag@miavx2.ham.muohio.edu
Received: by miavx2.ham.muohio.edu (MX V4.1 AXP) id 12; Mon, 10 Jun 1996
11:10:12 EST
Date: Mon, 10 Jun 1996 11:10:12 EST
To: aprssiG@tapr.org
Message-ID: <009A3A45.DB845F1C.12@miavx2.ham.muohio.edu>
Subject: APRS76 and MFJ1278?

Does APRS76 work with the MFJ 1278 TNC? This TNC is not one of the choices.
Can the .TNC file be changed from one of the other .TNC files so that the
MFJ's can be used.
?

Thanks in advance,
73, Alan N1FLD

From sproul@ap.org Mon Jun 10 10:26:08 1996
Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id KAA04405 for <aprssiG@tapr.org>; Mon, 10 Jun 1996 10:26:05 -0500
(CDT)
Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4)
id LAA28427; Mon, 10 Jun 1996 11:22:29 -0400
X-Sender: sproul@165.1.6.1
Message-Id: <v03006f00ade1efc45c3b@[165.1.27.20]>
In-Reply-To: <31B92E46.6347@ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 10 Jun 1996 11:30:17 -0400
To: aprssiG@tapr.org
From: Mark Sproul <sproul@ap.org>

Subject: Re: Documentation

>> Just for the record, all of the APRS README documents are in the process of
>> being converted over to web pages. I am also following the process with a
>> hyper-text document, but that is probably six weeks away from
>> completion. If
>> everybody can be patient, I'll make it available ASAP....
>>

We have had the DOS-APRS documentation done in HTML (WEB) format for over a year and have had it on our web site. It is also on our CD-ROM.

The URL is

<http://msproul.rutgers.edu/APRS/APRSDOC/dosaprs.htm>

Mark Sproul

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

From ka1kjz@tigger.jvnc.net Mon Jun 10 11:30:23 1996
Received: from tigger.jvnc.net (tigger.jvnc.net [128.121.50.145]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA06978 for <aprssig@tapr.org>; Mon, 10 Jun 1996 11:29:14 -0500 (CDT)
Received: from ka1kjz.jvnc.net by tigger.jvnc.net with SMTP id AA04391 (5.65c/IDA-1.4.4 for aprssig@tapr.org); Mon, 10 Jun 1996 12:27:02 -0400
Date: Mon, 10 Jun 1996 12:27:02 -0400
Message-Id: <199606101627.AA04391@tigger.jvnc.net>
X-Sender: ka1kjz@tigger.jvnc.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org, fieldorg-l@netcom.com, ham-tech@netcom.com, n1hax@aol.com, n1qqv@aol.com, wk1s@aol.com, johngv@ns.iconn.net, bblewett@straycat.com, ralph.celone@dowut.com, pqb@uconnect.net, sbicycle@connix.com, wa1pyu@aol.com, ddbb23a@prodigy.com, dkostrey@iconn.net, 0005164217@mcimail.com
From: "Ronald C. Barnes" <ka1kjz@tigger.jvnc.net>
Subject: Call For Tapes (Field Day)

While in the process of preparing for my club's Field Day, I realized something. I plan to tape as much as possible of our FD effort and make it into a few minute long presentation tape. Why not do a similar tape on a national scope?

So here goes, I am looking for a copy of your club's FD raw footage, preferably this year. I can accept most any tape standard, broadcast, professional or consumer. I would prefer it on one of the broadcast formats, but I know how likely that is. Here is what I can take...

- Digital Betacam
- D2
- Betacam SP (preferably BVW w/ ch3&4 audio)
- One Inch
- Hi-8
- Regular 8
- SVHS
- VHS (sp mode only please)

- M-II (if you must, I can find a deck)
- Stills or slides

What I wont take...

- Quadruplex
- Film (any size)
- Consumer Beta

If you have any tape you are willing to let me have, reply via email and I will send you the shipping particulars. And please spread this call for tapes around as much as you can.

Thanks...

Ron KA1KJZ
ARRL CT Section Technical Coordinator

--

```
*****
** Ronald C. Barnes KA1KJZ Engineering Tech, Group W Satellite **
** 1591 W. Broad Street ARRL CT Section Technical Coord. **
** Stratford, CT 06497 Member, Soc. Broadcast Engineers **
** **
** The preceding are my opinions, mine, mine, mine! **
** Any attempt to say otherwise will result in a hearty laugh **
*****
```

From christen@codger.physics.duq.edu Mon Jun 10 11:34:17 1996
Received: from infobahn.icubed.com ([199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id LAA07314 for <aprssig@tapr.org>; Mon, 10 Jun 1996 11:34:08 -0500
(CDT)
Received: from wm25.icubed.com by infobahn.icubed.com;

(5.65/1.1.8.2/25Jun95-1044PM)

id AA22110; Mon, 10 Jun 1996 12:30:15 -0400

Sender: paul@infobahn.icubed.com

Message-Id: <31BC4E49.225F2F93@codger.physics.duq.edu>

Date: Mon, 10 Jun 1996 12:33:13 -0400

From: Paul Christenson <christen@codger.physics.duq.edu>

Organization: Duquesne University Amateur Radio Club

X-Mailer: Mozilla 3.0b4 (X11; I; Linux 1.2.13 i486)

Mime-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1778] Re: Kenwood Service

References: <31BBF028.5F3E@dgp.toronto.edu>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

> > My Kenwood 940S that I use for APRS on HF rolled over and died last night.

> > Tech or service center should be located in CT or close to metro New York City

> > area.

> Why don't you send it back to Kenwood?

Maybe he wants it back by Christmas^H^H^H^H^H^H^H^H Field Day???

<G>

A few years ago, 73 did a "review" on the service facilities of the major rig manufacturers. For Kenwood, turnaround was typically four to six months.

(Icom was less than two weeks.)

From gerry@cs.tamu.edu Mon Jun 10 11:45:04 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA07489 for <aprssig@tapr.org>; Mon, 10 Jun 1996 11:44:57 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id LAA22956 for <aprssig@tapr.org>; Mon, 10 Jun 1996 11:44:13 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id LAA29303 for aprssig@tapr.org; Mon, 10 Jun 1996 11:43:21 -0500

Message-Id: <199606101643.LAA29303@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:1708] Re: Precision Mapping 2.0

To: aprssig@tapr.org

Date: Mon, 10 Jun 1996 11:43:21 -0500 (CDT)

In-Reply-To: <31B8D00F.40A3@web-access.net> from "Dale Seaburg" at Jun 7, 96 08:18:24 pm

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

I've got that, and have been working on one off-and-on for a month or so.

Their's is the "official" one. I'm working on one with a slightly different

focus. I suspect that, over time, they'll incorporate some of what all of us are doing.

73, gerry

From gerry@cs.tamu.edu Mon Jun 10 12:12:26 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA08688 for <aprssig@tapr.org>; Mon, 10 Jun 1996 12:12:18 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id MAA23902 for <aprssig@tapr.org>; Mon, 10 Jun 1996 12:11:31 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id MAA29642 for aprssig@tapr.org; Mon, 10 Jun 1996 12:10:40 -0500
Message-Id: <199606101710.MAA29642@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1715] Re: Precision Mapping 2.0
To: aprssig@tapr.org
Date: Mon, 10 Jun 1996 12:10:39 -0500 (CDT)
In-Reply-To: <199606080514.AAA07691@misha.net> from "Roger Sellers" at Jun 8, 96 00:21:53 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Indeed, they tell you how to load it to a specific directory. One thing you need is a CD and some form of transfer cable/program: Texas is 48 megabytes!

The GPS interface I'm working on is seperate from theirs, using their DLLs to interface to PM2.0.4

73, gerry

From gerry@cs.tamu.edu Mon Jun 10 12:22:26 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA09194 for <aprssig@tapr.org>; Mon, 10 Jun 1996 12:22:17 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id MAA24219 for <aprssig@tapr.org>; Mon, 10 Jun 1996 12:21:36 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id MAA29701 for aprssig@tapr.org; Mon, 10 Jun 1996 12:20:44 -0500
Message-Id: <199606101720.MAA29701@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1717] Re: Precision Mapping 2.0
To: aprssig@tapr.org
Date: Mon, 10 Jun 1996 12:20:43 -0500 (CDT)
In-Reply-To: <31B90F15.BEB@bihs.net> from "Fred Quarles" at Jun 8, 96 00:45:06 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

saw it, snagged it but haven't tested it. I've been a bit busy of late. I'm working on an independent version of the interface to do wome of what I want, as an independent developer.

Thanks for the note.

I'm trying to coordinate a full duplex packet pair on UHF for

- 1) Differential broadcast
- 2) local APRS use

I'll let you know where I end up. I'm planning on 1200 to start, but an eventual migration to 9600 for most of the use. DGPS data will probably be sent at both speeds: PacComm has a method using one TNC to do that, according to Gwyn!

73, gerry

From gerry@cs.tamu.edu Mon Jun 10 12:57:58 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA12467 for <aprssig@tapr.org>; Mon, 10 Jun 1996 12:57:55 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id MAA25170 for <aprssig@tapr.org>; Mon, 10 Jun 1996 12:57:13 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id MAA00282 for aprssig@tapr.org; Mon, 10 Jun 1996 12:56:21 -0500

Message-Id: <199606101756.MAA00282@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:1726] Re: Precision Mapping 2.0

To: aprssig@tapr.org

Date: Mon, 10 Jun 1996 12:56:20 -0500 (CDT)

In-Reply-To: <199606081330.JAA40338@osceola.gate.net> from "n2czf@gate.net" at Jun 8, 96 09:31:13 am

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

I suspect DeLorme should watch over their shoulder. JustSoftworks uses the Tiger maps as a base. So does DeLorme. Where DeLorme wins out is that they are getting more regular updates from some states, upgrading the Tiger files on the fly. They're not reinputting this to the Gov't, as far as I know.

JSI tells me they are looking at starting to do their own map updates, as well, but still want to keep the price down. So, the catch is: The DeLorme maps may be a bit more up-to-date, but the base mapping is still the same.

Oh... did you know that you can move the maps over you your hard disk and tell PM2.0 where they are? And not carry the CDRom drive with you?

gerry

From kjm@flo-bin.com Mon Jun 10 13:05:06 1996
Received: from mail1.deltanet.com (mail.deltanet.com [199.171.190.55]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id NAA12853 for <aprssig@tapr.org>; Mon, 10 Jun 1996 13:04:49 -0500 (CDT)
Received: from kjm-tjm (kjm-tjm@delta1.deltanet.com [199.171.190.3]) by mail1.deltanet.com (8.7.4/8.7.3) with SMTP id LAA15788 for <aprssig@tapr.org>; Mon, 10 Jun 1996 11:01:24 -0700 (PDT)
Message-ID: <31BC6371.38BF@flo-bin.com>
Date: Mon, 10 Jun 1996 11:03:29 -0700
From: Ken Mirabella <kjm@flo-bin.com>
Organization: Fabricated Metals, Inc.
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1769] Re: Precision Mapping 2.0
References: <199606100431.XAA26855@misha.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can get PM 2.0 to run on your laptop if you transfer the state directory over to your HD. California takes up about 30 megs plus the program, but it is worth it to get street detail mapping for a lot less the deLorme. Use laplink, network card, etc. but get it there - it is certainly worth the effort.

My laptop is a 486/100 running win95 and PM 2.0 works great!!!

KM6YH

Roger Sellers wrote:

>
> >Ok People, what is the catch. CD-ROM Mapping and a GPS interface for free
> (beta)
> >at what is it \$39 ?? Plus a free CD with either the WHite Pages or Yellow
> >pages...
> >
> >Many have seen the DeLorem stuff, what is the difference in data quality if
> any?
> >As far as I know most if not all of the data is the same since it comes
> from the
> >same source. This sounds too good to be true since MapExpert comes out to be
> >about \$300 once you get the GPS Add On shipped to you and you buy the actual
> >MapExpert CD.
> >
> >If it is as good as it sounds it seems to be that DeLorem will be suffering
> from
> >a short life span!
> >
>
> I had to buy the Precision Mapping 2.0 at \$39 to get the Beta GPS program
> to work. It wont work with the Precision Mappint LITE. The mapping program
> requires the CD-Rom to get any detail level. The GPS program ran on my

> Desktop PC, but since I don't have a portable CD-Rom drive, I cant test it
> on my laptop yet. It looks like I'd have to LAPLINK an install to my laptop
> to make it work there. It seems rather silly to Have a GPS program I can
> only get to run on my desktop.
> In other words, you MUST HAVE Precision Mapping 2.0 on CD in order to get
> the GPS program to run it seems at present. There's too my gyrations you
> have to go thru to run it from on a laptop without the use of a CD-Rom on
> the laptop. It will currently eat about 5+ megs of space on a HD as well.
>
> 73,
>
> Roger Sellers
> Amateur Radio: KB9LBU
> E-Mail Home: rsellers@misha.net
> E-Mail Work: rsellers@snds.com

From gerry@cs.tamu.edu Mon Jun 10 13:09:27 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA12903 for <aprssig@tapr.org>; Mon, 10 Jun 1996
13:09:22 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id NAA25552 for <aprssig@tapr.org>; Mon, 10
Jun 1996 13:08:34 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id NAA00434 for
aprssig@tapr.org; Mon, 10 Jun 1996 13:07:42 -0500
Message-Id: <199606101807.NAA00434@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1752] Re: GPS Time
To: aprssig@tapr.org
Date: Mon, 10 Jun 1996 13:07:42 -0500 (CDT)
In-Reply-To: <199606090426.AAA29569@darius.cris.com> from "Paul Sadowski" at Jun
8, 96 11:34:14 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Paul Sadowski sez:

>
> Anyone ever had several GPS's together and noticed different times
> on the different GPS units? I'm paying with some stuff that relies
> on GPS time as the sync for all the stations.... think there might
> be a time skew for some reason...

GPS time is reported via seconds from Start of Week (GPS). Some of the
handheld units (and, apparently, panel mount units) are not quite as sharp in
performing this, relatively simple, calculation as others.

If you really need precise timing, check on aleph.gsfc.nasa.gov for more
information on Tom Clark, W3IWI, and his Totally Accruate Clock. For another
approach, snag a Trimble receiver and set it to ONE SATELLITE, TIMING mode.
That should provide you, in Trimble's TSIP format, with solid timing data. If
you need real precision you will be using the precise Pulse Per Second

output...

Hope this helps.

73, gerry
n5jxs@tamu.edu

From gerry@cs.tamu.edu Mon Jun 10 13:26:45 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA13399 for <aprssig@tapr.org>; Mon, 10 Jun 1996 13:23:52 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id NAA26099 for <aprssig@tapr.org>; Mon, 10 Jun 1996 13:21:34 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id NAA00674 for aprssig@tapr.org; Mon, 10 Jun 1996 13:20:41 -0500
Message-Id: <199606101820.NAA00674@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1763] Re: HSP bug and next APRS
To: aprssig@tapr.org
Date: Mon, 10 Jun 1996 13:20:41 -0500 (CDT)
In-Reply-To: <Pine.SUN.3.91.960609184813.28472B-100000@arctic> from "Bob Bruninga" at Jun 9, 96 06:15:48 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Bob Bruninga sez:

>
> OK, but what is the conversion algorithm? for the single point ORIGIN.
> I know we discussed all this, but did we get it down to a
> single equation...?

The mechanism Barbara is using is in the program MADTRANS. It's not one single delta for the whole country: It's calculated based on location.

Didn't someone post MADTRANS to the FTP site? If not, let me know and I'll put it there. It's a DOS program.

gerry

From cbuttsch@slonet.org Mon Jun 10 14:41:51 1996
Received: from spork.callamer.com (cbuttsch@spork.callamer.com [199.74.141.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id OAA16085 for <aprssig@tapr.org>; Mon, 10 Jun 1996 14:41:40 -0500 (CDT)
Received: from localhost (cbuttsch@localhost) by spork.callamer.com (8.7.5/8.7.3) with SMTP id MAA21116; Mon, 10 Jun 1996 12:39:03 -0700 (PDT)
Date: Mon, 10 Jun 1996 12:39:02 -0700 (PDT)
From: Clifford Buttschardt <cbuttsch@slonet.org>
X-Sender: cbuttsch@spork.callamer.com
To: Brad Wyatt <bwyatt@arrl.org>, Fried Heyn <0002542030@mcimail.com>, "Ronald C. Barnes" <ka1kjz@tigger.jvnc.net>

cc: aprssig@tapr.org, amsat_bb@amsat.org
Subject: Re: [APRSSIG:1776] My take on the WRC97 Action
In-Reply-To: <199606101338.AA11452@tiger.jvnc.net>
Message-ID: <Pine.SOL.3.93.960610123105.18145C-100000@spork.callamer.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I patently agree that the real intent of the LEO manufacturers "frequency grab" is to eventually grab off space in the microwave bands. What really annoys me is the effort already underway to do this in the 2300 MHz band which, really, is equally as well populated considering the satellite occupancy as well. In other words fellas, it ain't APPLE computer or Motorola that wants 3456 or 5.5 GC, but rather an Industrial group that wants to set a precedent which they have already accomplished!
Cliff Buttschardt W6HDO/K7RR

From bruninga@nadn.navy.mil Mon Jun 10 14:55:51 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA16807 for <aprssig@tapr.org>; Mon, 10 Jun 1996 14:55:43 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id PAA22693; Mon, 10 Jun 1996 15:56:32 -0400
Date: Mon, 10 Jun 1996 15:56:32 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1780] APRS76 and MFJ1278?
In-Reply-To: <009A3A45.DB845F1C.12@miavx2.ham.muohio.edu>
Message-ID: <Pine.SUN.3.91.960610155419.22241B-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 10 Jun 1996 roseag@miavx2.ham.muohio.edu wrote:

> Does APRS76 work with the MFJ 1278 TNC? This TNC is not one of the choices.

APRSDOS REPLY COMMENT: All TNC's are TAPR clones except for AEA, and Kantronics (there maybe others). But even the Kantronics TNC's pretty much maintain the TAPR standard commands. So select TAPR.

de wb4apr@amsat.org

From cbuttsch@slonet.org Mon Jun 10 15:09:13 1996
Received: from spork.callamer.com (cbuttsch@spork.callamer.com [199.74.141.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA17273 for <aprssig@tapr.org>; Mon, 10 Jun 1996 15:09:06 -0500 (CDT)
Received: from localhost (cbuttsch@localhost) by spork.callamer.com (8.7.5/8.7.3) with SMTP id NAA23611; Mon, 10 Jun 1996 13:06:47 -0700 (PDT)
Date: Mon, 10 Jun 1996 13:06:47 -0700 (PDT)
From: Clifford Buttschardt <cbuttsch@slonet.org>
X-Sender: cbuttsch@spork.callamer.com
To: Robert Winingham <kc5ejk@onramp.net>
cc: aprssig@tapr.org
Subject: Re: [APRSSIG:1770] Re: APRS75D.zip download

In-Reply-To: <v02130500ade16043bbde@[199.1.11.136]>
Message-ID: <Pine.SOL.3.93.960610130420.18145F-100000@spork.callamer.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bob---I can not help but agree that the confusion on the TAPR bbs is so large that few of us "beginners" could have ever found APRS75D.zip I do appreciate the return message indicating where it can be located. 73
Cliff Buttschardt W6HDO/K7RR

From jaym1@soho.ios.com Mon Jun 10 16:22:14 1996
Received: from soho.ios.com (root@soho.ios.com [198.4.75.47]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA20610 for <aprssig@tapr.org>; Mon, 10 Jun 1996 16:22:08 -0500 (CDT)
Received: from [206.20.7.17] (ppp-17.ts-1.ct.idt.net [206.20.7.17]) by soho.ios.com (8.6.12/IDT) with SMTP id RAA04506 for <aprssig@tapr.org>; Mon, 10 Jun 1996 17:21:48 -0400
Message-Id: <v01510100ade242305eb4@[206.20.7.10]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 10 Jun 1996 17:25:12 -0400
To: aprssig@tapr.org
From: jaym1@soho.ios.com (Jay Millard)
Subject: Re: [APRSSIG:1783] Re: Kenwood Service

>> > My Kenwood 940S that I use for APRS on HF rolled over and died last night.
>> > Tech or service center should be located in CT or close to metro New
>> York City
>> > area.
>
>> Why don't you send it back to Kenwood?
>
> Maybe he wants it back by Christmas^H^H^H^H^H^H^H^H Field Day???
>
><G>
>
> A few years ago, 73 did a "review" on the service facilities of the major rig
> manufacturers. For Kenwood, turnaround was typically four to six months.
>
> (Icom was less than two weeks.)

Thank you's to the two individuals who responded. Others might care to know that Kenwood's East Coast Service Center in Virginia Beach is currently working on radios received May 16th. Cost is quoted at \$50/hour. Not sure I have much choice here. One of two choices from QST advertisements (in a state just north of here) was NOT recommended by one of the local CT vendors. I'll miss the HF traffic that's not GATEed to me! Maybe by next Thanksgiving.....

73

Jay Millard
Amateur Radio Station KD1LY

Darien, CT 06820

From amirault@laraby.tiac.net Mon Jun 10 17:00:51 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA21975 for <aprssig@tapr.org>; Mon, 10 Jun 1996 17:00:49 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id SAA08697; Mon, 10 Jun 1996 18:00:47 -0400
Date: Mon, 10 Jun 1996 18:00:46 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1674] Re: Garmin 45 problem?
In-Reply-To: <Pine.BSF.3.91.960607034913.24486C-1000000@q.continuum.net>
Message-ID: <Pine.BSF.3.91.960610175929.8468D-1000000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Jun 1996, Chip wrote:

> On Wed, 5 Jun 1996, Dennis Mobley wrote:
>
> > Yep, mine has done the same thing out on the Atlantic Ocean.
> > This "feature" does not happen often, and the only warning
> > is the beep beep "poor coverage" message.
> > Power cycle the beast and all is well.
> >
> Has anyone noticed that it doesn't seem to require the power down/up if
> you acknowledge the "poor coverage" message? I haven't had this lockup
> as long as I ack the message.

My message was more along the lines of...

"Unit unuseable - power down and re-start" (or words to that effect)

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From alan@ernest.itg.ti.com Mon Jun 10 17:11:39 1996
Received: from gate.ti.com (news.ti.com [192.94.94.33]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA22513 for <aprssig@tapr.org>; Mon, 10 Jun 1996 17:11:25 -0500 (CDT)
Received: from ernest.itg.ti.com ([128.247.93.118]) by gate.ti.com (8.6.13/ac3i.dseg.ti.com) with SMTP id RAA09526 for <aprssig@tapr.org>; Mon, 10 Jun 1996 17:10:40 -0500
Received: by ernest.itg.ti.com (Smail3.1.28.1 #4)
id m0uTF9Z-0000CTC; Mon, 10 Jun 96 17:09 CDT
Message-Id: <m0uTF9Z-0000CTC@ernest.itg.ti.com>
From: alan@ernest.itg.ti.com (Alan Edmonds)
Subject: Re: [APRSSIG:1772] WINAPRS 'features'?
To: aprssig@tapr.org
Date: Mon, 10 Jun 1996 17:09:40 -0500 (CDT)
In-Reply-To: <199606101251.IAA15874@unix.asb.com> from "bob" at Jun 10, 96

08:03:24 am

Organization: Texas Instruments, Inc. Plano TX

X-Mailer: ELM [version 2.4 PL21]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

> -when I go tracker mobile, g3zfy-9, on every occasion when I return home
> several of the position reports will have labels either for other stations
> or like times e.g. 15:23:34 etc. Last weekend I parked and left the tracker
> on, when I got home there was kd4uyr sitting in Oakdale! I knew Kevin
> wouldn't have moved from FL!

I've seen this in the beta WinAPRS.

> -if I manipulate screens it will crash quite often i.e. open/close a few map
> windows. If I leave it alone its very stable.

It's not often for me, but it does crash after many window opens/closes.
It seems like a memory leak in the window close code. I'm not sure it
I'd blame WinAPRS or Windows.

FYI, I'm running it on a 486/33, Windows 3.11, 32MB RAM.

--

Alan Edmonds, KB5ZUY

System Administrator, Composer Development

Phone: +1-214-575-6427

Email: Alan.Edmonds@ti.com

Texas Instruments, Inc.

M/S 8515

6620 Chase Oaks Blvd.

Plano, TX, USA 75023

From n2czf@gate.net Mon Jun 10 19:17:10 1996

Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA26237 for <aprssig@tapr.org>; Mon, 10 Jun 1996
19:17:04 -0500 (CDT)

From: n2czf@gate.net

Received: from 199.227.125.165 (wpbfl2-38.gate.net [199.227.125.165]) by
osceola.gate.net (8.6.12/8.6.12) with SMTP id UAA29220 for <aprssig@tapr.org>;
Mon, 10 Jun 1996 20:16:49 -0400

Date: Mon, 10 Jun 1996 20:16:49 -0400

Message-Id: <199606110016.UAA29220@osceola.gate.net>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:1792] Re: APRS76 and MFJ1278?

To: aprssig@tapr.org

In-Reply-To: <Pine.SUN.3.91.960610155419.22241B-100000@arctic>

X-Mailer: SPRY Mail Version: 04.00.06.17

DO not be surprised if the MFJ-1278 acts in strange ways with APRS. I have tried
to get APRS working with a friends 1278 and it just does not act right, many
little problems, that become one BIG annoyance. I have heard this from others
that have also tried the 1278 but I have also heard from some that it works
fine.

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before. Steven Wright

From n2czf@gate.net Mon Jun 10 19:22:02 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA26576 for <aprssig@tapr.org>; Mon, 10 Jun 1996 19:21:57 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.165 (wpbfl2-38.gate.net [199.227.125.165]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id UAA29696 for <aprssig@tapr.org>; Mon, 10 Jun 1996 20:21:36 -0400
Date: Mon, 10 Jun 1996 20:21:36 -0400
Message-Id: <199606110021.UAA29696@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1787] Re: Precision Mapping 2.0
To: aprssig@tapr.org
In-Reply-To: <199606101756.MAA00282@solar.cs.tamu.edu>
X-Mailer: SPRY Mail Version: 04.00.06.17

On Mon, 10 Jun 1996, Gerald J Creager <gerry@cs.tamu.edu> wrote:

*** Snip***

>Oh... did you know that you can move the maps over you your hard disk and tell
>PM2.0 where they are? And not carry the CDRom drive with you?
>

>gerry

That deserves one big WOW! I think this is a big asset to the many laptop users that do not have a portable CR-ROM. I have one but instead of carrying a extra brick (ROM Drive) I would rather copy the needed maps and keep the ROM in a suitcase or the back seat for later use if needed. Those darn interface cables look so cheap I am afraid of using it on the go and breaking it off the card!

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before. Steven Wright

From n2czf@gate.net Mon Jun 10 19:27:13 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org

(8.7.5/8.7.3/1.9) with SMTP id TAA26625 for <aprssig@tapr.org>; Mon, 10 Jun 1996 19:27:02 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.165 (wpbfl2-38.gate.net [199.227.125.165]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id UAA45704 for <aprssig@tapr.org>; Mon, 10 Jun 1996 20:26:47 -0400
Date: Mon, 10 Jun 1996 20:26:47 -0400
Message-Id: <199606110026.UAA45704@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1783] Re: Kenwood Service
To: aprssig@tapr.org
In-Reply-To: <31BC4E49.225F2F93@codger.physics.duq.edu>
X-Mailer: SPRY Mail Version: 04.00.06.17

That is funny, it took ICOM over 5 months to return my 2M SSB rig, the whole summer! While my TS-850S/AT only took 1 week including shipping time from NJ to VA. I have has 2 opportunities to send stuff to Kenwood and it has never taken more than 2 weeks. The ICOM problem was even more, after 5 months it still did not work and after some yelling I sent it back and finally got it fixed 3 months later!! 8 months for a stupid power supply fix!

Needless to say I have never bought ICOM again.

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.
Steven Wright

From n2czf@gate.net Mon Jun 10 20:14:30 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA28205 for <aprssig@tapr.org>; Mon, 10 Jun 1996 20:13:24 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.165 (wpbfl2-38.gate.net [199.227.125.165]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id VAA38982; Mon, 10 Jun 1996 21:12:43 -0400
Date: Mon, 10 Jun 1996 21:12:43 -0400
Message-Id: <199606110112.VAA38982@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1773] Re: Florida Statewide APRS Meeting
To: aprssig@tapr.org
In-Reply-To: <31BC1B20.4A7B@encore.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

On Mon, 10 Jun 1996, Dennis Mobley <dmobley@encore.com> wrote:

>And how do you suggest these "1 or 2" folks be picked from the masses?

>Also, could you define "areas"...

Dunno up to the people ??

>In all seriousness, good idea but you need a better plan.

I think it is a great plan! The reason it is so great is because it is the only effort anyone has ever tried.

>Might I suggest....

- > 1. Form a working group to generate a statement of objectives.
- > Note, this can be done via email but, I would suggest off the SIG!
- > 2. Formulate a detailed agenda.
- > 3. Publish a the statement of objectives and the meeting agenda.
- > 4. Follow you detailed agenda at the meeting.
- >

This is the idea give or take...

>If this is just a "bull" session then I would expect your meeting to
>turn into pandemonium.

Agreed, this is why I am asking for just a couple of people, any more than this would be pandemonium! It close to happened once before....

>Question, which I expect the working committee to define,
>what are we(you) trying to achieve?

That will be the question of the day. Note that I said to decide where if anywhere is APRS going to go in FL. The question is better stated not as what WE are trying to acheve but what can or will APRS acheve.

>

>Also, who is going to enforce any resulting policies?

I hope that this does not become a question at this moment. Problems if any at this moment will hopefully be resolved in a un-official capacity by parties involved. In all honesty who can enforce policies, no one that I know of. The only way to enforce will be to have anyone that does not agree and cannot resolve withdraw from the "project" when they get fed up. I know that I will not let my \$3,000 worth of equipment sit connected 24hrs a day 7 days a week at risk of lightning and surges for a lost cause.

>73 de Dennis Mobley KT4FI

>Sunrise, FL (EL96UD)

>

I would say that we agree on most of the points even if we both look at it from

different ends. My end has been from long time APRS users, many of us speak on the LL and internet quite often for long periods, I have the phone bills to prove it. Many including I are wondering where is this going ?? We have spent countless hours learning, teaching and spending \$\$\$ for a stagnant project. Many have already taken their gates and digi's off the air since they were serving no useful purpose. Look at me, I have 3 others in the area that are active and use the GATE, is it worth \$3,000 during the summer months to run the risk ?? Now if the NWS actually has a plan and has the brains to pull it off and can use the system, and more users get on and active I have a better reason to run the risk. The Tampa area has already come to this point and 2 digi's were lost and 1 GATE.

Everyone is talk and no action on a statewide basis. Some areas are moving forward while others are dead or almost dead. What we need is to find out what works and what does not and try to get everyone to try a new plan attack.

Again as far as the limit of 1-2 people let's be realistic. How many people are actually going to attend from Hillard County or Key West not to mention the Panhandle. I hope the panhandle attends, they seem to have the most together group out of everyone. As far as areas everyone knows what is a area and what is not. Broward/Dade is obvious most ove you have a active part in both counties so this is a area. Tampa is another group, Orlando is close but completely seperate and the same for Daytona and Melbourne. This is going to cost people \$\$\$ to attend, who is willing to do it ? I tried this 2 years ago and got a bunch of crying "I ain't going here or I ain't going there" it's to far etc. etc. I said forget it, I won't even bother. Now people are telling me we got to do something about a meeting, GREAT, if this is what is wanted I am all for it.

Don't know about you but I am willing to spread the word and take \$\$ out of my pocket to travel if there is enough interest. I am NOT going to spend \$\$\$ for a meeting place at some hotel somewhere so that no one shows up or so that mass mayhem breaks out. Like I said this will be a "idea session" we need people with expirience so that there are ideas or at least realistic ideas. If we have everyone showing up that will make a meeting place difficult to find and also slow everything down with "my ABC TNC will not work with version SNAFU! why?" Or "what is a UNPROTO" path.

I would like someone to take charge and plan a meeting like that not only locally but for a larger hamfest. A person can only do so much, I really do not want to take that job this time, I have already done it 3 times. SNAFU's are a big problem with any APRS type and need looking into with new users. But how is anyone going to lead a group without having a basic direction down first ? If anyone want's APRS to work we will need a group, I know that many down near you have somewhat of a problem with groups and networking but if this is the case then APRS will NEVER EVER WORK as it was intended to.

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.

Steven Wright

From n2czf@gate.net Mon Jun 10 20:24:25 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA28519 for <aprssig@tapr.org>; Mon, 10 Jun 1996 20:22:43 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.165 (wpbf12-38.gate.net [199.227.125.165]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id VAA20814 for <aprssig@tapr.org>; Mon, 10 Jun 1996 21:21:54 -0400
Date: Mon, 10 Jun 1996 21:21:54 -0400
Message-Id: <199606110121.VAA20814@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1774] RE: Florida Statewide APRS Meeting
To: aprssig@tapr.org
In-Reply-To: <960610090711_323572681@emout18.mail.aol.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

I have forwarded WA4MEJ your e-mail address.

His name is John, hope you guys get together and get a strong group going. This is what I try to do for the state and it is tough, connect people who are either active or interested and let them take it from there locally. I got dozens of people in my addres book here on internet and some are not even on internet so I try to get telephone numbers also as a backup. No one person can handle the whole state so I hope to get at least 1 person from each area that is willing to spend time and orginize local users.

wa4mej@aol.com

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before. Steven Wright

From KD4EMI@aol.com Mon Jun 10 20:56:10 1996
Received: from emout18.mail.aol.com (emout18.mx.aol.com [198.81.11.44]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA29794 for <aprssig@tapr.org>; Mon, 10 Jun 1996 20:56:07 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout18.mail.aol.com (8.6.12/8.6.12) id VAA05984 for aprssig@tapr.org; Mon, 10 Jun 1996 21:55:30 -0400
Date: Mon, 10 Jun 1996 21:55:30 -0400
Message-ID: <960610215529_324324819@emout18.mail.aol.com>
To: aprssig@tapr.org
Subject: Weather info

Ive been working on the basic stamp thingy for a while and am burnt out on it...I just finished an article that Im submitting to QST called "Build an intellegent TNC controller"

One last idea though that Im gonna try to get on line.

Remember back when I tried to have an APRS alert triggered by a NWS alert...That didnt work because of a legal issue.

Hows this...

As most of you know, Florida has been drowned by as much as 9 inches of rain a day and severe t-storms and lightning. I have a old sensor that shuts off the computer when it detects lightning bursts.. I can basic stamp this to the tnc and vhf users can set their wx alert to say wind speed of 999. Then they will be alerted if this wind speed is sent. I can program the stamp to change the beacon text to a wx text with a wind speed of 999 (or any wx parameter that you choose that would be unlikely). Upon reciept of the lightning monitor beep it changes the wx beacon, thus alerting local APRS stations of incoming lightning...

Might be kinda fun to see if anyone is interested in this.. I once saw in QST or one of Wayne Greens mags (73 ?) about a home brew lightning sensor. Can anyone get a hold of that, I build more and everyone can play along ? Any thoughts ?

Mike
KD4EMI@AOL.COM

From KD4EMI@aol.com Mon Jun 10 20:56:24 1996
Received: from emout15.mail.aol.com (emout15.mx.aol.com [198.81.11.41]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA29820 for <aprssig@tapr.org>; Mon, 10 Jun 1996 20:56:19 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout15.mail.aol.com (8.6.12/8.6.12) id VAA19215 for aprssig@tapr.org; Mon, 10 Jun 1996 21:55:42 -0400
Date: Mon, 10 Jun 1996 21:55:42 -0400
Message-ID: <960610215542_324324783@emout15.mail.aol.com>
To: aprssig@tapr.org
Subject: RE: Florida get together...

Here are my thoughts about a aprs get together...

#1 GREAT IDEA...we should have done this last year !!

#2 MELBOURNE...

Another great idea...good location..(plus I can run APRS HF MOBILE with my new stamp on VHF and HF YEAH !!)

#3

1-2 people from each area...

Hmmph..not so thrilled...

Why not invite all concerned parties to attend, those that want to be a part of the future system will want to be there. Those that cant attend can make their opinions known..Maybe we could have a subsig of just FL stations on the internet ? Therefore all FL stations can communicate in their own sig and work together and have a local forum to discuss local ideas and get to know each other better ?

In any event, I like the Melbourne hamfest so I'd like to attend. Lets not be an exclusive club, invite all concerned parties and try to maintain some order. Everyone can contribute...

Michael

KD4EMI@AOL.COM

From ku0g@sprynet.com Mon Jun 10 21:54:44 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA01896 for <aprssig@tapr.org>; Mon, 10 Jun 1996 21:54:40 -0500 (CDT)

From: ku0g@sprynet.com

Received: from [199.174.151.24] (dd09-024.compuserve.com [199.174.151.24]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id TAA21843 for <aprssig@tapr.org>; Mon, 10 Jun 1996 19:52:32 -0700

Date: Mon, 10 Jun 1996 19:52:32 -0700

Message-Id: <199606110252.TAA21843@m1.sprynet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:1772] WINAPRS 'features'?

To: aprssig@tapr.org

In-Reply-To: <199606101251.IAA15874@unix.asb.com>

X-Mailer: SPRY Mail Version: 04.00.06.21

On Mon, 10 Jun 1996, w2g3zfj@unix.asb.com (bob) wrote:

>Hi Folks

>

>I've been running a registered copy of winAPRS for the last 2-3 weeks as a

>Gateway in Long Island (hf->vhf only) and have noticed a few 'bugettes'

>which I wonder if anyone else has seen.

>

>-my Gate symbol frequently (3-4 times a day) gets changed back to the

>default qth symbol. It can be reset by forcing my position to be re-sent.

Probably the result of having a old BTEXT permed into your TNC. Try this: BTEXT and type in several spaces or one or two characters. That should clear out the old BTEXT that DOS APRS probably wrote in on a software shutdown...

>

>-when I go tracker mobile, g3zfj-9, on every occassion when I return home

>several of the position reports will have labels either for other stations

>or like times e.g. 15:23:34 etc. Last weekend I parked and left the tracker

>on, when I got home there was kd4uyr sitting in Oakdale! I knew Kevin

>wouldn't have moved from Fl!

This happens to me too! I think it's a minor program bug...

>
>-if I manipulate screens it will crash quite often i.e. open/close a few map
>windows. If I leave it alone its very stable.
>
>Info:- Kam Plus, 80MHzdx2 clone, 8M Ram, winAPRS v1.0

8 MB is BARE MINIMUM for running WinAPRS. I added 1 MB and it runs fine but I still will get an occasional lock-up or crash due to having too many things running at once! It's simply a matter of having enough memory available. Remember, WINDOWS IS A MEMORY HOG!!! The more you have, the more you still need!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From wbliss@coastside.net Mon Jun 10 21:56:35 1996
Received: from poseidon (root@[205.162.38.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA01946 for <aprssig@tapr.org>; Mon, 10 Jun 1996 21:56:31 -0500 (CDT)
Received: from LOCALNAME ([205.162.38.64]) by poseidon (8.6.11/8.6.12) with SMTP id TAA04344; Mon, 10 Jun 1996 19:53:43 -0700
Date: Mon, 10 Jun 1996 19:53:43 -0700
Message-Id: <199606110253.TAA04344@poseidon>
X-Sender: wbliss@mail.coastside.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: wb4apr@amsat.org
From: "William B. Bliss/WB6LPG" <wbliss@coastside.net>
Subject: APRS Mic-Encoders Kit..
Cc: aprssig@tapr.org

Hi Bob,

Regarding the Mic-ENC kit, any thought to including in the kit of parts for the Mic/ENC, a small circuit designed mother or small daughter board already designed and scribed out so all of us older folks with weak eyes, and unsteady hands, could easily install the parts to make the circuit.

All we would have to do is try and solder the parts to the board, and hopefully make it work. Many of us are not good at designing and a small already designed printed circuit board would be very useful and a great help.

Maybe someone on the sig could design, develop and supply the circuit already on a board, would help in the kit building process.

Perhaps Clement Engineering could make it and include with the kit of parts. ??

For consideration. Got my kit other day, and scratching my head on building the Mic-encoder circuit without goofing it up. Hi.. & Thanks

73's & Enjoy, APRS, TRY IT YOU'LL LIKE IT, AND OUTSTANDING PACKET PROGRAM
FOR ALL.....

NNNN

WBB/WB6LPG

From KD4EMI@aol.com Mon Jun 10 22:07:13 1996
Received: from emout17.mail.aol.com (emout17.mx.aol.com [198.81.11.43]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA02317 for <aprssig@tapr.org>; Mon, 10
Jun 1996 22:07:08 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout17.mail.aol.com (8.6.12/8.6.12) id XAA13611 for
aprssig@tapr.org; Mon, 10 Jun 1996 23:06:43 -0400
Date: Mon, 10 Jun 1996 23:06:43 -0400
Message-ID: <960610230642_324403809@emout17.mail.aol.com>
To: aprssig@tapr.org
Subject: TORNADO WARNING IS POSSIBLE

ASK and the Gods giveth...

If your on AOL use KEYWORD TORNADO ALLEY and look up the wx store info... I
copied this for the others to read. There is a picture in the aol catalog but
I cant get it...It looks like a PVC pipe with a coax on one end.

Here is the ad:

This LSU-2001 lightning sensor can detect lightning ground strikes over 200
miles away, yet it is immune to electrical and radio interference. The unit
is fully assembled and completely weather-proof . It is encased in hard PVC
plastic and the internal solid-state VLF receiver is encased in hard
amber-like epoxy plastic. The built-in all-directional 10" long heavy copper
detection antenna is unbreakable. The sensor's small cross-section makes a
small target for hailstones and debris during severe weather. The unit is
input, output and overload protected. Its sensing system uses a patented
solid-state wideband very low frequency electrostatic transistor "crystal"
radio receiver. This design allows the sensor to draw NO battery power
unless lightning is detected. The output is quasidigital, meaning that the
stronger detected signals cause larger output currents. The sensor digitizes
the detected lightning signals so computers and pulse counters can readily
use it. Each sensor pulse represents a single lightning event or an
individual part of a lightning return stroke chain. The sensor can separate
lightning discharges and return strokes occurring as fast as 100th of a
second apart.

To use this sensor, you must purchase additional parts at a local electronics
store, such as Radio Shack. The components are inexpensive. The sensor come
with easy-to-follow diagrams of nine different methods of wiring your
sensor, each with a complete parts list, such as; making a pop sound as each
stroke is sensed; connection to a range meter; connection to a computer; or
connection to a siren type of alarm. You should have a basic knowledge of
soldering. I made mine portable by using a plastic electrical box for the
components and an alligator clip for ground. It makes a clicking sound
anytime lightning is near. I had a lot of fun making it...and if I can do
it, so can you. This is a great high-quality do-it yourself lightning kit.

The Weather Mall guarantees the unit for one full year. Made in the USA.
Item #4426

Price: \$39.95

Optional Software: Stormwise Lightning Recording System Software for PCs. It turns your computer into a powerful data logging system. It can count, graph, and print data. Recorded data has a date time stamp for each event.

Recording rates of 1, 10 or 60 seconds can be selected. An automatic start recording feature can be set to start recording data to disk when a count-per minute threshold is exceeded. The software comes with an infrared serial port interface which links the software and computer to the outside world without wire connections - thus your computer is not physically connected to the lightning sensor. If the system detects a rapid rise in lightning activity common in severe storms, the computer sounds an alarm. A great addition to any home weather station or a fun way to start one.

Price: Sensor & Software \$79.95

Johnny, show the folks whats behind door # 2

This next little baby is a HAND HELD !! T-STORM and lightning detector. IT looks very high tech with LED'S etc...

Here is the dope on that...

people will go through life and never see a tornado or experience a hurricane, but everyone will experience lightning. Roughly 200 people are killed by lightning each year. You may have read recently where in Texas, several boys on a high school football team were struck and killed by lightning. What you didn't know was that at nearby Rice University the coaching staff had this SkyScan lightning detector with them as the storm was approaching. The unit warned the coaches and the players were pulled off the field. The storm passed through the area and hit the high school boys.

This hand-held instrument with the electronic sophistication to detect lightning as far away as 40 miles and accurately ranges its approach, by both audible tone and four LED's which are ranged in miles (20-40, 8-20, 3-8, 0-3). This feature tells users if the storm is moving towards, away, or parallel to their position. The unit even has a severe thunderstorm mode that activated a severe storm warning light and special audible tone, alerting the user to take immediate action.

Features: SkyScan is powered by two 9 volt batteries and has a power saver mode. Range select allows the user to choose the range at which the unit will alarm. Automatic false trigger alert occurs whenever the unit detects background noise high enough to interfere with the accurate detection and ranging of lightning. The unit is contained in a rugged weather resistant plastic case with built-in belt clip. 6.5"H, 3.1"W, 1.5" D. Weighs 10.8 oz. without batteries.

I highly recommend this unit to anyone responsible for others during outdoor activities such as golf courses, outdoor sports teams, swimming pools,

sailors, construction workers, or kids at a picnic. Also farmers plowing a field, golfers in Florida, and the list goes on. Comes with the makers one year guarantee which is doubled by the Weather Mall to two years. Makes a thoughtful gift.

Price: \$199.00

Ok, do you guys think I should go for it ?? I can get one and see if I can interface a stamp to it.. The alert will program a parameter in the TNC to change one wx parameter...OR

Bob B...

Can you make a lightning or T storm alert text for aprs ?

If folks are interested in this stuff, let me know and I'll pursue it.

I can forsee a lightning alert station every few 100 miles...?

OR EVEN BETTER...

use the pager function on the new Kantronics tnc and BEEP EVERYONE about incoming bad wx ?

Im so excited I can hardly type !!

Michael

KD4EMI@AOL.COM

Time to lick those stamps...

From bruninga@nadn.navy.mil Mon Jun 10 23:30:02 1996

Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA04927 for <aprssig@tapr.org>; Mon, 10 Jun 1996 23:29:56 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id AAA04086; Tue, 11 Jun 1996 00:30:43 -0400

Date: Tue, 11 Jun 1996 00:30:42 -0400 (EDT)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1805] APRS Mic-Encoders Kit..

In-Reply-To: <199606110253.TAA04344@poseidon>

Message-ID: <Pine.SUN.3.91.960611002853.4018H-100000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 10 Jun 1996, William B. Bliss/WB6LPG wrote:

> Hi Bob,

> Regarding the Mic-ENC kit, any thought to including in the kit of parts
> for the Mic/ENC, a small circuit designed mother or small daughter board
> already designed and scribed out so all of us older folks with weak eyes, and
> unsteady hands, could easily install the parts to make the circuit.

APRSDOS REPLY COMMENT: Certainly. We are working on a complete new layout, but it will be months before it is in production. In the meantime, there is no need to compress the daughter board as small as I indicated. Leave yourself plenty of room for a nice casual assembly...

de wb4apr@amsat.org

From james-m@ix.netcom.com Mon Jun 10 23:33:48 1996

Received: from dfw-ix10.ix.netcom.com (dfw-ix10.ix.netcom.com [206.214.98.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA05265 for <aprssig@tapr.org>; Mon, 10 Jun 1996 23:33:42 -0500 (CDT)

Received: from acerp90 (sav-ga1-07.ix.netcom.com [205.184.8.39]) by dfw-ix10.ix.netcom.com (8.6.13/8.6.12) with SMTP id VAA06328 for <aprssig@tapr.org>; Mon, 10 Jun 1996 21:32:57 -0700

Message-ID: <31BCE271.5D7D@ix.netcom.com>

Date: Mon, 10 Jun 1996 23:05:21 -0400

From: Don Murray <james-m@ix.netcom.com>

Organization: AE4BR

X-Mailer: Mozilla 3.0b4 (Win95; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1780] APRS76 and MFJ1278?

References: <009A3A45.DB845F1C.12@miavx2.ham.muohio.edu>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

roseag@miavx2.ham.muohio.edu wrote:

>

> Does APRS76 work with the MFJ 1278 TNC? This TNC is not one of the choices.

> Can the .TNC file be changed from one of the other .TNC files so that the

> MFJ's can be used.

> ?

>

> Thanks in advance,

> 73, Alan N1FLD

Alan, I use the 1278B to run aprs here with no problems, just take a

look at the commands that are suggested, and then look and see if you have a similiar command on the 1278B. I can and will send you my config file if you think it would help..

Don

From ku0g@sprynet.com Mon Jun 10 23:39:18 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA05384 for <aprssig@tapr.org>; Mon, 10 Jun 1996 23:39:02 -0500 (CDT)

From: ku0g@sprynet.com

Received: from [199.174.151.24] (dd09-024.compuserve.com [199.174.151.24]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id VAA16543 for <aprssig@tapr.org>; Mon, 10 Jun 1996 21:36:47 -0700

Date: Mon, 10 Jun 1996 21:36:47 -0700

Message-Id: <199606110436.VAA16543@m1.sprynet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: 8 More Blackjacks up for Grabs!!!

To: aprssig@tapr.org

X-Mailer: SPRY Mail Version: 04.00.06.21

WARNING!!! The following is advertising by direct EMail to the APRS SIG! If you are offended by this, please close this message and delete it now. No offense is taken if you exercise your inalienable right to be left alone!

If you haven't reserved one of the Blackjack GPS Antennas before now and were waiting for more to be available, the time is NOW!!! I have 8 antennas left that the people who made reservations failed to follow up with the order and payment. So, the deal is this:

Send me EMail advising of the mailing of your order and money order (\$43.00 to Blackjack Antenna, 13 N.W. Barry Rd., Kansas City, MO 64155) and I'll respond by EMail of the confirmation of YOUR reservation.

COD shipment available ONLY in United States!! Canadians, sorry.....you guys need to send payment up front in U.S. funds.

If the first batch was any indication, these 8 will go FAST!!! I can't produce any more antennas or the other items I'm getting ready to release with moving the rest of these antennas...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ku0g@sprynet.com Tue Jun 11 00:24:39 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA13449 for <aprssig@tapr.org>; Tue, 11 Jun 1996 00:24:36 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.151.24] (dd09-024.compuserve.com [199.174.151.24]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id WAA24202 for <aprssig@tapr.org>; Mon, 10 Jun 1996 22:22:36 -0700
Date: Mon, 10 Jun 1996 22:22:36 -0700
Message-Id: <199606110522.WAA24202@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1802] Weather info
To: aprssig@tapr.org
In-Reply-To: <960610215529_324324819@emout18.mail.aol.com>
X-Mailer: SPRY Mail Version: 04.00.06.21

Neat idea!!!! Go for it!!! I'd like to see it!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From jwasmuth@iquest.net Tue Jun 11 00:54:22 1996
Received: from iquest.net (iquest4.iquest.net [206.53.230.100]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA14570 for <aprssig@tapr.org>; Tue, 11 Jun 1996 00:54:18 -0500 (CDT)

Received: from jwasmuth.indy.net by iquest.net with smtp
(Smail3.1.29.1 #5) id m0uTM0o-00497UC; Tue, 11 Jun 96 00:53 EST
Message-Id: <1.5.4.32.19960611055400.006953e4@iquest.net>
X-Sender: jwasmuth@iquest.net
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 11 Jun 1996 00:54:00 -0500
To: aprssig@tapr.org
From: John Wasmuth <jwasmuth@iquest.net>
Subject: Re: [APRSSIG:1806] TORNADO WARNING IS POSSIBLE

At 10:55 PM 6/10/96 -0500, you wrote:

>Ask and the Gods giveth...

>

>If your on AOL use KEYWORD TORNADO ALLEY and look up the wx store info... I
>copied this for the others to read. There is a picture in the aol catalog but
>I cant get it...It looks like a PVC pipe with a coax on one end.

>

>Michael

>KD4EMI@AOL.COM

>Time to lick those stamps...

>

>

>

Do you have an 800 number or mailing address where those of us not on
Prodigy can get more info from this company?

John Wasmuth
Amateur Radio: AA9K(ilo)B(tye)

Email: jwasmuth@iquest.net

Voice phone (days): 317-692-7935
(evenings): 317-845-0562
Data/Fax phone : 317-845-1277

Coordinates: 39' 57.59" N 86' 02.09" W
Weather information available
by connecting to AA9KB-2 on 145.03

From sparkfel@primenet.com Tue Jun 11 04:19:55 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id EAA20646 for <aprssig@tapr.org>; Tue, 11
Jun 1996 04:19:52 -0500 (CDT)
Received: from primenet.com (root@usr06.primenet.com [198.68.32.16]) by
mailhost1.primenet.com (8.7.3/8.7.1) with ESMTP id CAA08157 for
<aprssig@tapr.org>; Tue, 11 Jun 1996 02:19:50 -0700 (MST)
Received: from ip147.phx.primenet.com (ip147.phx.primenet.com [198.68.46.147]) by
primenet.com (8.7.3/8.7.3) with SMTP id CAA20129; Tue, 11 Jun 1996 02:19:47 -0700
(MST)

Date: Tue, 11 Jun 1996 02:19:47 -0700 (MST)
Message-Id: <1.5.4.16.19960611021949.2f5f497c@mailhost.primenet.com>
X-Sender: sparkfel@mailhost.primenet.com
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org, aprssig@tapr.org
From: Mark Fellhauer <sparkfel@primenet.com>
Subject: Re: [APRSSIG:1806] TORNADO WARNING IS POSSIBLE

At 10:55 PM 6/10/96 -0500, KD4EMI@aol.com wrote:

>Features: SkyScan is powered by two 9 volt batteries and has a power saver
>mode. Range select allows the user to choose the range at which the unit
>will alarm. Automatic false trigger alert occurs whenever the unit detects
>background noise high enough to interfere with the accurate detection and
>ranging of lightning. The unit is contained in a rugged weather resistant
>plastic case with built-in belt clip. 6.5"H, 3.1"W, 1.5" D. Weighs 10.8 oz.
>without batteries.

>
>Price: \$199.00
>

Sounds cool, they used to advertise it in the Edmund Scientific Catalog,
but I haven't seen it in there lately.
I think ES had a lower price, go figure. \$200 sounds a little steep. I'd
buy one, if, and only if, it came with a reasonable trial period. I've been
dissatisfied by stuff like this in the past. I bought Radio Shack's pocket
storm-alert weather radio a few years ago, and after trying several units,
couldn't get one to work. Oh sure they received the NWS bulletins, but
never once sounded when the 1060 HZ tone was sent. I bought a slightly
larger MAXON WX-Alert radio and it works fine. In fact, I'm probably going
to buy a new one and give the old one away. Heck, for about \$1000 you can
pick up a 3M Storm Scope and see exactly where the lightning is striking!

>Ok, do you guys think I should go for it ?? I can get one and see if I can
>interface a stamp to it.. The alert will program a parameter in the TNC to
>change one wx parameter...OR
>Bob B...
>Can you make a lightning or T storm alert text for aprs ?
>If folks are interested in this stuff, let me know and I'll pursue it.
>I can foresee a lightning alert station every few 100 miles...?
>OR EVEN BETTER...
>use the pager function on the new Kantronics tnc and BEEP EVERYONE about
>incoming bad wx ?
>Im so excited I can hardly type !!

I think we covered this before. The FCC frowns on "special event"
triggering of amateur radio transmissions. One person on this sig has fully
researched this in conjunction with using the NWS weather alert to signal
APRS stations automatically the second the alert is received. The FCC says
it's a no-no. BUT one could certainly

include lightning strike information in one's regularly sent beacon. It may not be as good a solution, but at least it's something.

How about a lightning strike counter?

73,

Mark Fellhauer - KC7BXS
sparkfel@primenet.com

From sparkfel@primenet.com Tue Jun 11 04:28:42 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id EAA20783 for <aprssig@tapr.org>; Tue, 11 Jun 1996 04:28:40 -0500 (CDT)
Received: from primenet.com (root@usr06.primenet.com [198.68.32.16]) by mailhost1.primenet.com (8.7.3/8.7.1) with ESMTP id CAA08267 for <aprssig@tapr.org>; Tue, 11 Jun 1996 02:28:38 -0700 (MST)
Received: from ip147.phx.primenet.com (ip147.phx.primenet.com [198.68.46.147]) by primenet.com (8.7.3/8.7.3) with SMTP id CAA21227 for <aprssig@tapr.org>; Tue, 11 Jun 1996 02:28:37 -0700 (MST)
Date: Tue, 11 Jun 1996 02:28:37 -0700 (MST)
Message-Id: <1.5.4.16.19960611022838.2f5fd704@mailhost.primenet.com>
X-Sender: sparkfel@mailhost.primenet.com
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Mark Fellhauer <sparkfel@primenet.com>
Subject: Magellan CNS-12

I recently came across an ad for the Magellan CNS-12 GPS/ACARS unit which will parse GPS location information into an ACARS beacon. It looked pretty neat, but at \$10,000.00, I think I'll stick with my Magellan Trailblazer XL and KPC-3. (G)

Plus I don't think the CNS-12 will fit in my backpack.

Mark Fellhauer - KC7BXS
sparkfel@primenet.com

From wvolle@ix.netcom.com Tue Jun 11 04:31:57 1996
Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id EAA20809 for <aprssig@tapr.org>; Tue, 11 Jun 1996 04:31:55 -0500 (CDT)
Received: from LOCALNAME (hun-a11-10.ix.netcom.com [205.184.6.42]) by dfw-ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id CAA21555 for <aprssig@tapr.org>; Tue, 11 Jun 1996 02:31:21 -0700
Message-ID: <31BD58FF.17A0@ix.netcom.com>

Date: Tue, 11 Jun 1996 04:31:11 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1806] TORNADO WARNING IS POSSIBLE
References: <960610230642_324403809@emout17.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sounds great to me Michael. Keep us posted on this, would love to see something like that interfaced with APRS. I have heard some talk about this a long time ago (Before the sig i believe) on packet in the early days of aprs. I just downloaded a demo program from a lightning tracker with a map for florida, the demo looked great, but this setup cost \$499.00 a little much i think. The map was another \$59.00 and was just a map in PCX format. Keep us posted Michael.

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.rog
<http://www.netcom.com/~wnolle>

KD4EMI@aol.com wrote:

>
> If folks are interested in this stuff, let me know and I'll pursue it.
> I can forsee a lightning alert station every few 100 miles...?
> OR EVEN BETTER...
> use the pager function on the new Kantronics tnc and BEEP EVERYONE about
> incoming bad wx ?
> Im so excited I can hardly type !!
> Michael
> KD4EMI@AOL.COM
> Time to lick those stamps...

From wnable@ix.netcom.com Tue Jun 11 06:39:43 1996
Received: from dfw-ix4.ix.netcom.com (dfw-ix4.ix.netcom.com [206.214.98.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA24552 for <aprssig@tapr.org>; Tue, 11 Jun 1996 06:39:41 -0500 (CDT)
Received: from LOCALNAME (hun-all-19.ix.netcom.com [205.184.6.51]) by dfw-ix4.ix.netcom.com (8.6.13/8.6.12) with SMTP id EAA24041 for <aprssig@tapr.org>; Tue, 11 Jun 1996 04:39:08 -0700
Message-ID: <31BD76F4.7ECF@ix.netcom.com>
Date: Tue, 11 Jun 1996 06:39:00 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1812] Re: TORNADO WARNING IS POSSIBLE
References: <1.5.4.16.19960611021949.2f5f497c@mailhost.primenet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mark Fellhauer wrote:

>
> At 10:55 PM 6/10/96 -0500, KD4EMI@aol.com wrote:
>
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> >Im so excited I can hardly type !!
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> APRS stations automatically the second the alert is received. The FCC says
> it's a no-no. BUT one could certainly
> include lightning strike information in one's regularly sent beacon. It may
> not be as good a solution, but at least it's something.
>
> How about a lightning strike counter?
>
> 73,
>
> Mark Fellhauer - KC7BXS
> sparkfel@primenet.com
>

This is hard to understand because why is it ok to transmit the WX info from a Davis or peet brothers weather station, but not from a Lightning detector receiver!. I fail to see the difference myself. Hummmm

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From rwf@mindspring.com Tue Jun 11 06:45:16 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA24621 for <aprssig@tapr.org>; Tue, 11 Jun 1996 06:45:13 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id HAA11709 for <aprssig@tapr.org>; Tue, 11 Jun 1996 07:45:08 -0400

Date: Tue, 11 Jun 1996 07:45:08 -0400

Message-Id: <2.2.16.19960611074253.3db7b834@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (16)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: Re: Tornado Warning is possible

Mike-

A Ham Vendor was selling those lightning detector sensors (the stick with the 9 v battery) at the Miami Hamfest. I think he was in that low ceiling hallway area at the back. Maybe you or one of your local folks picked up the literature. I think the 39.00 price was close, but they had a different model too that you haven't mentioned.

When I get home from this trip (I am in Knoxville, Cookeville, Rockwood TN this week) I'll see if I can dig up the info for you.

Ralph Fowler, N4NEQ

S.E.R.A. ATV Technical

Advisor

rwf@mindspring.com or n4neq@amsat.org

Atlanta, GA USA

Web: <http://www.mindspring.com/~rwf> for APRS, ATV, Balloon, and Ham info

My hobby is tracking Vehicles and other things using Ham Radio, GPS and APRS. Ask me how!

From sdimse@bridge.net Tue Jun 11 07:32:33 1996

Received: from relay2.UU.NET (relay2.UU.NET [192.48.96.7]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA25928 for <aprssig@tapr.org>; Tue, 11 Jun 1996 07:32:30 -0500 (CDT)

Received: from bridge.net by relay2.UU.NET with ESMTP (peer crosschecked as: newworld.bridge.net [204.253.4.4]) id QQatqg20054; Tue, 11 Jun 1996 08:32:21 -0400 (EDT)

Received: from [204.253.4.65] (ppp-mia1-65.bridge.net [204.253.4.65]) by bridge.net (8.7.5/8.7.3) with SMTP id IAA08830 for <aprssig@tapr.org>; Tue, 11 Jun 1996 08:29:40 -0400 (EDT)

Message-Id: <199606111229.IAA08830@bridge.net>

Subject: Re: [APRSSIG:1804] Re: WINAPRS 'features'?

Date: Tue, 11 Jun 96 08:32:21 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>>I've been running a registered copy of winAPRS for the last 2-3 weeks as a
>>Gateway in Long Island (hf->vhf only) and have noticed a few 'bugettes'
>>which I wonder if anyone else has seen.

>>

>>-my Gate symbol frequently (3-4 times a day) gets changed back to the
>>default qth symbol. It can be reset by forcing my position to be re-sent.
>

>Probably the result of having a old BTEXT permed into your TNC. Try this:
>BTEXT and type in several spaces or one or two characters. That should
>clear

>out the old BTEXT that DOS APRS probably wrote in on a software shutdown...
>

No...this is a problem that has been in MacAPRS for some time, seems to occur very rarely, and due to bad data packets that gets sent out

occasionally from a stand-alone tracker. While using the same code as MacAPRS got WinAPRS running fast, it also means you get to share our bugs. KT4FI and I have told Keith about it before, seems to be a very difficult bug to reproduce and remove. When it does happen here in South Florida, it attracts all stations to the same point at the same time...the last time it happened here, my Keys house, Miami house, and KT4FI all went to 'visit' KA40PZ. If you have a log file, I suspect Keith would like to see it to track down the problem.

73 de Steve K04HD

From jleonard@tbcnet.com Tue Jun 11 07:40:07 1996
Received: from tbc2.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA26329 for <aprssig@tapr.org>; Tue, 11 Jun 1996 07:40:05 -0500 (CDT)
Received: from ts250.tbcnet.com (ts250.tbcnet.com [207.112.227.50]) by tbc2.tbcnet.com (8.7.4/8.7.3) with SMTP id HAA04214 for <aprssig@tapr.org>; Tue, 11 Jun 1996 07:39:58 -0500
Date: Tue, 11 Jun 1996 07:39:58 -0500
Message-Id: <199606111239.HAA04214@tbc2.tbcnet.com>
X-Authentication-Warning: tbc1.tbcnet.com: Host ts250.tbcnet.com [207.112.227.50] didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Subject: Re: [APRSSIG:1804] Re: WINAPRS 'features'?

On the other hand...

My WinAPRS is running on a Win 3.1 (32 bit), 386/387, and FOUR, count 'em, FOUR meg of ram. It doesn't run as fast as the Pentium, but I don't need it too.

I've left it on 24 hr/day, 7 day/wk, and the only time it's studded was when I tried to do something to the tnc/serial port setting without shutting down the port first.

And on my KPC3, when I tried to change BTEXT, a space wouldn't work. I think the book sez a "%" will reset the text.

73's
jbl

At 22:00 6/10/96 -0500, you wrote:

>
>8 MB is BARE MINIMUM for running WinAPRS. I added 1 MB and it runs fine but I
>still will get an occasional lock-up or crash due to having too many things

>running at once! It's simply a matter of having enough memory available.
>Remember, WINDOWS IS A MEMORY HOG!!! The more you have, the more you still
>need!!!

>
>Best 73,
>Jim Duncan, KU0G
>APRS--Kansas City Coordinator
>EMail: ku0g@sprynet.com
>

J Barry Leonard/N9VJQ
DeKalb IL
E-MAIL: jleonard@tbcnet.com
WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>

From fwinder@one.net Tue Jun 11 08:22:54 1996
Received: from mail.one.net (mail.one.net [206.112.192.107]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id IAA27915 for <aprssig@tapr.org>; Tue, 11 Jun 1996
08:22:52 -0500 (CDT)
Received: from jhw.access.one.net (port-2-11.access.one.net [206.112.193.51]) by
mail.one.net (8.7.5/8.6.9) with SMTP id JAA27423 for <aprssig@tapr.org>; Tue, 11
Jun 1996 09:22:47 -0400
Date: Tue, 11 Jun 1996 09:22:47 -0400
Message-Id: <199606111322.JAA27423@mail.one.net>
X-Sender: fwinder@mail.one.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Farrell Winder <fwinder@one.net>
Subject: APRS/Pentium/Windows 95

In anticipation of purchasing computer upgrade would appreciate reply from
anyone who might be successfully using APRS 75 or later version with Pentium
and Windows 95. Many thanks, Farrell Winder W8ZCF Cincinnati, Ohio.

From bruninga@nadm.navy.mil Tue Jun 11 08:30:39 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA27998 for <aprssig@tapr.org>; Tue, 11
Jun 1996 08:30:37 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
JAA24181; Tue, 11 Jun 1996 09:31:31 -0400
Date: Tue, 11 Jun 1996 09:31:31 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: GPS and Lightning/Tornado tracking
In-Reply-To: <31BD58FF.17A0@ix.netcom.com>
Message-ID: <Pine.SUN.3.91.960611091344.21225A-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

All of this discussion about storm tracking and lightening detection can be combined with the precise time output of the TAPR GPS receivers to plot the positions of lightening strikes over hundreds of miles!

The one microsecond precise time combined with a very simple LF receiver to detect strikes can make it easy to triangulate the location of each strike and plot them in real time on the APRS map. With this timing accuracy, position to about a quarter mile should be possible.

Hardware would consist of a GPS receiver, a couple of transistors for the LF lightening receiver, and a TNC/radio to report the precise time of each strike. Special APRS software would compare the strike reports and plot each one on the map...

This would give not only SKYWARN folks information on approaching storms, but would also give interested HAMS advance warning of approaching severe lightening so that protective measures can be taken for their satellite stations...

Just another application of the precise time output of the TAPR GPS receivers.. (TAPR is putting together another group purchase at \$179)

de wb4apr@amsat.org

From schiers@ames.net Tue Jun 11 08:43:08 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA28473 for <aprssig@tapr.org>; Tue, 11 Jun 1996
08:43:03 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606111343.IAA28473@tapr.org>
Received: from [206.29.126.237] by ames.net id 45780.wrk; Tue, 11 Jun 1996
08:43:50 -0600
Date: Tue, 11 Jun 96 08:40:55 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1804] Re: WINAPRS 'features'?
In-Reply-To: <708321@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.02

In <708321@bbs.ames.net>, on 06/11/96 at 02:19 AM,
aprssig@tapr.org said:

>On Mon, 10 Jun 1996, w2g3zfej@unix.asb.com (bob) wrote:
>>Hi Folks
>>
>>I've been running a registered copy of winAPRS for the last 2-3 weeks as
>>Gateway in Long Island (hf->vhf only) and have noticed a few 'bugettes'
>>which I wonder if anyone else has seen.
>>
>>-my Gate symbol frequently (3-4 times a day) gets changed back to the
>>default qth symbol. It can be reset by forcing my position to be re-sent.

>Probably the result of having a old BTEXT permed into your TNC. Try
>this: BTEXT and type in several spaces or one or two characters. That

>should clear out the old BTEXT that DOS APRS probably wrote in on a
>software shutdown...

>>
>>-when I go tracker mobile, g3zfy-9, on every occasion when I return home
>>several of the position reports will have labels either for other station
>>or like times e.g. 15:23:34 etc. Last weekend I parked and left the track
>>on, when I got home there was kd4uyr sitting in Oakdale! I knew Kevin
>>wouldn't have moved from F1!

>This happens to me too! I think it's a minor program bug...

>>
>>-if I manipulate screens it will crash quite often i.e. open/close a few
>>windows. If I leave it alone its very stable.

>>
>>Info:- Kam Plus, 80MHzdx2 clone, 8M Ram, winAPRS v1.0

>8 MB is BARE MINIMUM for running WinAPRS. I added 1 MB and it runs fine
>but I still will get an occasional lock-up or crash due to having too
>many things running at once! It's simply a matter of having enough
>memory available. Remember, WINDOWS IS A MEMORY HOG!!! The more you
>have, the more you still need!!!

>Best 73,
>Jim Duncan, KU0G

I think there is a lot more to this occasional crashing business. I have
12 mb ram and after the program runs for a few days, a crash seems pretty
likely, even with just two windows open. One thing I have noticed is that
if I have five or six outstanding packets (messages), there is a
significant chance the program will crash when moving to a new window.
So....even with adequate memory and keeping the number of windows small,
the program has bugs ...as is expected. Don't expect increased memory to
ELIMINATE all crashing...the program is definitely not in that state yet.
More memory is certainly better and desirable...but...

73,

hasan schiers, N0AN--

schiers@ames.net

From schiers@ames.net Tue Jun 11 08:44:22 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA28502 for <aprssig@tapr.org>; Tue, 11 Jun 1996
08:44:19 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606111344.IAA28502@tapr.org>
Received: from [206.29.126.237] by ames.net id 45a80.wrk; Tue, 11 Jun 1996
08:45:18 -0600

Date: Tue, 11 Jun 96 08:44:30 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1796] Re: WINAPRS 'features'?
In-Reply-To: <708100@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.02

In <708100@bbs.ames.net>, on 06/10/96 at 09:22 PM,
aprssig@tapr.org said:

>> -if I manipulate screens it will crash quite often i.e. open/close a few
>> windows. If I leave it alone its very stable.

>It's not often for me, but it does crash after many window opens/closes.
>It seems like a memory leak in the window close code. I'm not sure it
>I'd blame WinAPRS or Windows.

I agree...it tends to happen with opening and closing windows a
lot...which is an important feature of the program. It will get fixed, I
am sure.

73,
hasan schiers, NOAN--

schiers@ames.net

From seront@seism1.ess.sunysb.edu Tue Jun 11 08:56:09 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id IAA29198 for <aprssig@tapr.org>; Tue, 11 Jun 1996
08:56:05 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-4 #8051)
id <01I5S15BAIQ09YD7S6@ccmail.sunysb.edu> for aprssig@tapr.org; Tue,
11 Jun 1996 09:55:58 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1)
id AA04542; Tue, 11 Jun 1996 09:55:16 -0400 (EDT)
Date: Mon, 10 Jun 1996 21:55:38 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:1802] Weather info
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960611015538.00713f60@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 09:04 PM 6/10/96 -0500, you wrote:

>Might be kinda fun to see if anyone is interested in this.. I once saw in
>QST or one of Wayne Greens mags (73 ?) about a home brew lightning sensor.
> Can anyone get a hold of that, I build more and everyone can play along ?
>Any thoughts ?
>

There's an article in Scientific American, the amateur scientist column, May 96 about a Low frequency ElectroMagnetic (EM) Wave detector. The detector is just an antenna, with some op amplification and low pass filtering. The main purpose of the detector is to study earthquakes precursors (some scientists reported low frequency EM activity before the Kobe earthquake), but the antenna is actually very sensitive to lightning, and the system can be use to monitor thunderstorms activity (look at the article for details). As far as detecting how far a thunderstorm is, like the kit your were speaking about, i doubt about the accuracy of the system. For aprs a "lightning level", or "EM activity level", indicator may be nice. By plotting this parameter on the map one could easily follow the thunderstorm path. Instead of adding one defined parameter to APRS wx reports, it may be better to allow for the transmission of any user defined parameter. This is already included in APRS, look at telemetry.txt in the readme directory.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From steve@eng.adaptec.com Tue Jun 11 09:39:23 1996
Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA00665 for <aprssig@tapr.org>; Tue, 11 Jun 1996 09:39:18 -0500 (CDT)
Received: from eng.adaptec.com ([162.62.20.6]) by milpitas.adaptec.com (4.1/SMI-4.1)
id AA10061; Tue, 11 Jun 96 07:18:37 PDT
Received: from kona by eng.adaptec.com (4.1/SMI-4.1)
id AA14780; Tue, 11 Jun 96 07:23:14 PDT
Date: Tue, 11 Jun 96 07:23:14 PDT
From: steve@eng.adaptec.com (Steve Wilson x2388)
Message-Id: <9606111423.AA14780@eng.adaptec.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1815] Re: TORNADO WARNING IS POSSIBLE

> From aprssig@tapr.org Tue Jun 11 05:44:40 1996
> > Mark Fellhauer wrote:
> >
> > I think we covered this before. The FCC frowns on "special event"
> > triggering of amateur radio transmissions. One person on this sig has fully
> > researched this in conjunction with using the NWS weather alert to signal
> > APRS stations automatically the second the alert is received. The FCC says
> > it's a no-no. BUT one could certainly
> > include lightning strike information in one's regularly sent beacon. It may
> > not be as good a solution, but at least it's something.
> >
> > How about a lightning strike counter?
> >
> > 73,
> >
> > Mark Fellhauer - KC7BXS

> > sparkfel@primenet.com
> >
>
> This is hard to understand because why is it ok to transmit the WX info from a
> Davis or peet brothers weather station, but not from a Lightning detector
> receiver!. I fail to see the difference myself. Hummmm
> --
> Bill KE4EER
> wnolte@ix.netcom.com

This isn't really the appropriate forum...but I'll take a whack at all
the above while wearing my ARRL 00 hat.(then suggest it be carried
on in rec.amateur.policy for follow ups..)

There is a subtle difference here...and I'm going to try to explain
my understanding of the rules(and how I'd apply them to write an
appropriate 00 card...) Anyway, you are probably all aware that
it is a bozo nono to retransmit the NWS radio stations...that is
because they are another radio service and this is forbidden! On
the other hand, if a station under automatic control announces it
is 12pm..this is okay(much like announcing that my lightning sensor
went off...duck!) This isn't a retransmission of data that
originated on another radio service, but rather from a sensor
attached to the stations computer. This should be okay. Go
for it.

Another corollary event that gets brought up in this discussion is
"Why can't I have someone phone by system and have it announce THAT
on the radio..That is just another example of automatic control."
Also commonly called the "ring-back" function on some repeaters.
The league took a look at this about 4 years ago in a QST article
and explained that the cause of the signal on the air could be
a non-licensed person, thus it was also bozo nono.

Sorry for taking up the SIGs time on something that really belongs
on the .policy group..but hopefully it'll shine some light on the
issue. If you have questions...or want to argue about it with me(which
is what happens in .policy ;-) then send me private email...please
don't pollute the SIG with it...

73 de Steve KA6S
stevev@eng.adaptec.com

From dmoble@encore.com Tue Jun 11 09:43:13 1996
Received: from ns.encore.COM (ns.encore.COM [129.91.131.22]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA00773 for <aprssig@tapr.org>; Tue, 11 Jun 1996
09:43:10 -0500 (CDT)
Received: from rt-tss.encore.COM by ns.encore.COM with SMTP
id AA17289 (5.67/UK-2.1-950411); Tue, 11 Jun 96 14:40:37 GMT
Received: from localhost by rt-tss.encore.com; (5.65v3.2/1.1.8.2/13May96-1039AM)
id AA06298; Tue, 11 Jun 1996 10:39:03 -0400
Sender: dmoble@encore.com
Message-Id: <31BD8506.15FB@encore.com>

Date: Tue, 11 Jun 1996 10:39:02 -0400
From: Dennis Mobley <dmobley@encore.com>
Organization: Encore Computor Corp
X-Mailer: Mozilla 2.02 (X11; I; OSF1 V3.2 alpha)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1800] Re: Florida Statewide APRS Meeting
References: <199606110112.VAA38982@osceola.gate.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

n2czf@gate.net wrote:

>
> >
>
> I would say that we agree on most of the points even if we both look at it from
> different ends. My end has been from long time APRS users, many of us speak on
> the LL and internet quite often for long periods, I have the phone bills to
> prove it.

>
SNIP

Rich,
First off thank you for a well written reply.

I do believe that we have the same goals and our only difference is
limitation of attendance of the APRS seminar.

To address issue you have posted...

1. " I am willing to spread the word and take \$\$ out of my
pocket to travel if there is enough interest."

We agree.

2. "...my ABC TNC will not work with version SNAFU! why?"

Lets plan a training seminar also.

3. "My end has been from long time APRS users..."

It is my observation that you have put the effort into
APRS and have earned the right to a position of
respect and authority within this field.

4. ">Also, who is going to enforce any resulting policies?"

My point is that if enough folks engage in the
planning seminar, any resulting "policies" would
be easier to enforce by peer pressure rather than
and iron fisted authority.
(We all know just how far that would go :-)

5. "I know that many down near you have somewhat of a problem with

groups and networking but if this is the case then APRS will NEVER
EVER WORK as it was intended to."

The only answer is "yep". (the land of the WIDES)

My goals for APRS is two fold...

1. Experimentation.
 2. Present another tool for the local ARES/RACES folks.
- This is my primary reason that I excepted the captain
of the digital team for the local ARES/RACES FD96.

Rich, as I stated in the past, I will support a well thought out plan
with both effort and dollars.

I reconize your position in this endeavor and, if needed, would
be glad to assist.

To the rest of the SIG, thank you for the indulgence and bandwidth.
Rich and I can now move onto direct email.

Thank you & 73
Dennis Mobley
Sunrise, Fl

From kirk@neptune.gsfc.nasa.gov Tue Jun 11 09:44:25 1996
Received: from mailhost.gsfc.nasa.gov (tinker-toy.gsfc.nasa.gov [128.183.50.19])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA00791 for <aprssig@tapr.org>; Tue,
11 Jun 1996 09:44:22 -0500 (CDT)
Received: from neptune.gsfc.nasa.gov by mailhost.gsfc.nasa.gov (5.65/Ultrix3.0-C)
id AA23370; Tue, 11 Jun 96 10:44:17 -0400
Received: from isobar.gsfc.nasa.gov by neptune.gsfc.nasa.gov via SMTP
(950911.SGI.8.6.12.PATCH825/920502.SGI)for <aprssig@tapr.org> id KAA09251; Tue, 11
Jun 1996 10:47:30 -0400
Message-Id: <2.2.32.199606111144612.00733dbc@neptune.gsfc.nasa.gov>
X-Sender: kirk@neptune.gsfc.nasa.gov
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 11 Jun 1996 10:46:12 -0400
To: aprssig@tapr.org
From: Robert Kirk <kirk@neptune.gsfc.nasa.gov>
Subject: Re: GPS and Lightening/Tornado tracking

At 08:38 6/11/96 -0500, Bob Bruninga <bruninga@nadn.navy.mil> wrote:
>All of this discussion about storm tracking and lightening detection can
>be combined with the precise time output of the TAPR GPS receivers to
>plot the positions of lightening strikes over hundreds of miles!
>
[description of how to do it with an lf rcvr & tnc]
>
>This would give not only SKYWARN folks information on approaching storms,
>but would also give interested HAMS advance warning of approaching sever
>lightening so that protective measures can be taken for their satellite

>stations...
>
[...]

I believe there's a satellite or other system that maps cloud to ground lightning already. Bob Ryan, weatherman of Channel 4 in DC shows it sometimes. Don't know the coverage or precision of it, though. Anyone an expert?

Bob Kirk
N30ZB

From llbaker@erinet.com Tue Jun 11 10:32:28 1996
Received: from in-mail.erinet.com (in-mail.erinet.com [198.6.245.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA02302 for <aprssig@tapr.org>; Tue, 11 Jun 1996 10:32:25 -0500 (CDT)
Received: from dlp137.center.eri.net by in-mail.erinet.com (8.6.12/EriNet) id MAA21151; Tue, 11 Jun 1996 12:00:20 -0400
Date: Tue, 11 Jun 1996 12:00:20 -0400
Message-Id: <199606111600.MAA21151@in-mail.erinet.com>
X-Sender: llbaker@mail.erinet.com (Unverified)
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: llbaker@erinet.com (larry baker)
Subject: Re: [APRSSIG:1780] APRS76 and MFJ1278?

>Does APRS76 work with the MFJ 1278 TNC? This TNC is not one of the choices.
>Can the .TNC file be changed from one of the other .TNC files so that the
>MFJ's can be used.

>?

>

>Thanks in advance,
>73, Alan N1FLD

>

>

>

Alan I run an MFJ 1278B I just call it a TAPR and everything works fine.
73 Larry KB8EMD

From kjm@flo-bin.com Tue Jun 11 10:37:51 1996
Received: from mail1.deltanet.com (mail.deltanet.com [199.171.190.55]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA02743 for <aprssig@tapr.org>; Tue, 11 Jun 1996 10:37:48 -0500 (CDT)
Received: from kjm-tjm (kjm-tjm@delta1.deltanet.com [199.171.190.3]) by mail1.deltanet.com (8.7.4/8.7.3) with SMTP id IAA10495 for <aprssig@tapr.org>; Tue, 11 Jun 1996 08:34:43 -0700 (PDT)
Message-ID: <31BD9294.606D@flo-bin.com>
Date: Tue, 11 Jun 1996 08:36:52 -0700
From: Ken Mirabella <kjm@flo-bin.com>
Organization: Fabricated Metals, Inc.
X-Mailer: Mozilla 3.0b4 (Win95; I)

MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1783] Re: Kenwood Service
References: <31BC4E49.225F2F93@codger.physics.duq.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am not a big Kenwood fan but just recently sent my 942 mobile in for service, it took them 7 working days. What they don't do is tell you it is ready. I finally called after 4 weeks and asked about it. they said (and the paperwork agreed) that it was done weeks before.)

Thats my 2 cents.

KM6YH

Paul Christenson wrote:

>
> > > My Kenwood 940S that I use for APRS on HF rolled over and died last night.
> > > Tech or service center should be located in CT or close to metro New York
City
> > > area.
>
> > Why don't you send it back to Kenwood?
>
> Maybe he wants it back by Christmas^H^H^H^H^H^H^H Field Day???
>
> <G>
>
> A few years ago, 73 did a "review" on the service facilities of the major rig
> manufacturers. For Kenwood, turnaround was typically four to six months.
>
> (Icom was less than two weeks.)

From kjm@flo-bin.com Tue Jun 11 10:43:29 1996
Received: from mail1.deltanet.com (mail.deltanet.com [199.171.190.55]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA02868 for <aprssig@tapr.org>; Tue, 11 Jun 1996 10:43:25 -0500 (CDT)
Received: from kjm-tjm (kjm-tjm@delta1.deltanet.com [199.171.190.3]) by mail1.deltanet.com (8.7.4/8.7.3) with SMTP id IAA11138 for <aprssig@tapr.org>; Tue, 11 Jun 1996 08:40:23 -0700 (PDT)
Message-ID: <31BD93E7.6B1E@flo-bin.com>
Date: Tue, 11 Jun 1996 08:42:32 -0700
From: Ken Mirabella <kjm@flo-bin.com>
Organization: Fabricated Metals, Inc.
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1785] Re: Precision Mapping 2.0
References: <199606101710.MAA29642@solar.cs.tamu.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gerry, I can not get their dll.zip to unzip after 5 attempts. I have written to them that they may have a problem. Could you re-zip their dll's and e-mail them to me. (we also write VB 4.0 code).

I would like to see a toolbar on PMap 2.0 GPS that will let you draw vectors (DF lines) from the GPS blip. What would be ideal is a drop down box that would prompt you for the degrees of heard. (bearing 48 degrees true) maybe even an alt-D shortcut to activate the drop box.

Thanks for your assistance.

KM6YH

Gerald J Creager wrote:

>
> Indeed, they tell you how to load it to a specific directory. One thing you
> need is a CD and some form of transfer cable/program: Texas is 48 megabytes!
>
> The GPS interface I'm working on is seperate from theirs, using their DLLs to
> interface to PM2.0.4
>
> 73, gerry

From randyh@gvgadg.gvg.tek.com Tue Jun 11 11:00:48 1996
Received: from inet2.tek.com (inet2.tek.com [134.62.48.22]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id LAA03597 for <aprssig@tapr.org>; Tue, 11 Jun 1996
11:00:44 -0500 (CDT)
Received: by inet2.tek.com id <AA23071@inet2.tek.com>; Tue, 11 Jun 1996 09:00:12
-0700
Received: from tektronix.tek.com(134.62.48.24) by inet2 via smap (V1.3)
id sma026126; Tue Jun 11 09:00:02 1996
Received: from gv-gate.gvg.tek.com (gv-gate.gvg.tek.com [192.65.9.19]) by
tektronix.tek.com (8.7.5/8.7.3) with SMTP id JAA11980 for <aprssig@tapr.org>; Tue,
11 Jun 1996 09:00:30 -0700 (PDT)
Received: from gvgadg.gvg.tek.com by gv-gate.gvg.tek.com (5.0/2.3)
id AA03901; Tue, 11 Jun 1996 08:59:57 +0800
Received: from hallrpc (hallrpc.gvg.tek.com) by gvgadg.gvg.tek.com (4.1/SMI-4.1)
id AA15310; Tue, 11 Jun 96 08:59:55 PDT
Message-Id: <9606111559.AA15310@gvgadg.gvg.tek.com>
X-Sender: randyh@gvgadg.gvg.tek.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 11 Jun 1996 08:59:33 -0700
To: aprssig@tapr.org
From: randyh@gvgadg.gvg.tek.com (Randy Hall)
Subject: GPS-20, Any box ideas?

Hi,

I received my GPS-20 yesterday. I see what the other fellow meant about the

connector, tiny!

I was wondering if anyone has any ideas about a box to put this into? The box would also need to have some room for the 12V -> 5V reg.

So, if anyone has any good box suggestion, please pass them along.

Randy
WA2AGE

From kjm@flo-bin.com Tue Jun 11 11:05:04 1996
Received: from mail1.deltanet.com (mail.deltanet.com [199.171.190.55]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA03976 for <aprssig@tapr.org>; Tue, 11 Jun 1996 11:05:00 -0500 (CDT)
Received: from kjm-tjm (kjm-tjm@delta1.deltanet.com [199.171.190.3]) by mail1.deltanet.com (8.7.4/8.7.3) with SMTP id JAA13482 for <aprssig@tapr.org>; Tue, 11 Jun 1996 09:01:47 -0700 (PDT)
Message-ID: <31BD98EC.23FD@flo-bin.com>
Date: Tue, 11 Jun 1996 09:03:56 -0700
From: Ken Mirabella <kjm@flo-bin.com>
Organization: Fabricated Metals, Inc.
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1819] APRS/Pentium/Windows 95
References: <199606111322.JAA27423@mail.one.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Farrell Winder wrote:

>
> In anticipation of purchasing computer upgrade would appreciate reply from
> anyone who might be successfully using APRS 75 or later version with Pentium
> and Windows 95. Many thanks, Farrell Winder W8ZCF Cincinnati, Ohio.

Go buy it - as fast a cpu and as much ram as you can afford (32 megs ideal). Every thing runs great on my 586/100 32 megs ram.

KM6YH

From jratchf@bulldog.afsc.k12.ar.us Tue Jun 11 12:02:41 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA05915 for <aprssig@tapr.org>; Tue, 11 Jun 1996 12:02:36 -0500 (CDT)
Received: from /\$Yü~Ø((slip2.afsc.k12.ar.us [170.211.157.177]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id LAA09874 for <aprssig@tapr.org>; Tue, 11 Jun 1996 11:08:08 -0500
Message-Id: <199606111608.LAA09874@bulldog.afsc.k12.ar.us>
Date: Tue, 11 Jun 96 12:01:27 -0700
From: "J. Scott Ratchford" <jratchf@bulldog.afsc.k12.ar.us>
Organization: North Arkansas Amatuer Radio Society
X-Mailer: Mozilla 1.22 (Windows; I; 16bit)
MIME-Version: 1.0

To: aprssig@tapr.org
Subject: APRS 76D on a Pentium 120
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

This thingy works just fine on an Aptiva Pentium 120 using Win95.

JSR
KC5JGV

From AD4CR@aol.com Tue Jun 11 12:53:31 1996
Received: from emout08.mail.aol.com (emout08.mx.aol.com [198.81.11.23]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA07710 for <aprssig@tapr.org>; Tue, 11 Jun 1996 12:53:07 -0500 (CDT)
From: AD4CR@aol.com
Received: by emout08.mail.aol.com (8.6.12/8.6.12) id NAA01832 for aprssig@tapr.org; Tue, 11 Jun 1996 13:52:32 -0400
Date: Tue, 11 Jun 1996 13:52:32 -0400
Message-ID: <960611135232_215106716@emout08.mail.aol.com>
To: aprssig@tapr.org
Subject: (Bug in 76 and 76c

Hi Bob, There seems to be a bug in APRS. Was there in version 76..and also in 76c. I am using a Kam+ and we had the same problem in version 70 I think it was. It happens when someone connects to your mailbox and leaves you mail it also shows up on your read screen. Also if you go into O+C+T and talk to your tnc you get a "|A" at the beginning of your command line and also may get it anywhere when your tnc shows the command. Hope that helps
AD4CR @AOL.COM

From bruninga@nadn.navy.mil Tue Jun 11 14:04:51 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA10419 for <aprssig@tapr.org>; Tue, 11 Jun 1996 14:04:27 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id PAA29482; Tue, 11 Jun 1996 15:04:23 -0400
Date: Tue, 11 Jun 1996 15:04:23 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
cc: bennett@triumf.ca
Subject: Garmin 45 WPT bug?
Message-ID: <Pine.SUN.3.91.960611144526.27121A-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I uploaded waypoints into the Garmin 45 and they all went onto the WAYPOINT list just as expected.

BUT no matter what I did, they would not show up on the map.

After giving up, I turned off the GPS and when I came back later and powered the GPS back on again, NOW all the waypoints DO show on the map!

Called GARMIN Tech Service, and the guy reluctantly fired up his PC and got the SAME RESULTS! He said "well, your right. You will have to toggle the power"...

I encouraged him to persue this back to the softwtare engineeers and make sure that he and I were not just doing something wrong. Im not sure if he thinks it is that important. But it is very important to me. Maybe we have to send some kind of "STORE" command after uploading waypoints that tells the GARMIN to "activate" these new points.

Has anyone else figured this one out?

de wb4apr@amsat.org

From garnold@naples.net Tue Jun 11 15:05:15 1996
Received: from gator.naples.net (root@gator.naples.net [205.160.191.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA12536 for <aprssig@tapr.org>; Tue, 11 Jun 1996 15:05:10 -0500 (CDT)
Received: from ad16-049.compuserve.com (ad16-049.compuserve.com [199.174.158.49]) by gator.naples.net (8.7.3/8.6.12) with SMTP id QAA04388 for <aprssig@tapr.org>; Tue, 11 Jun 1996 16:08:13 -0400 (EDT)
Message-ID: <31BDFBA9.3417@naples.net>
Date: Tue, 11 Jun 1996 16:05:13 -0700
From: Gary Arnold <garnold@naples.net>
Reply-To: garnold@naples.net
Organization: Collier County Emergency Management
X-Mailer: Mozilla 3.0b4Gold (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1819] APRS/Pentium/Windows 95
References: <199606111322.JAA27423@mail.one.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Farrell Winder wrote:

>

> In anticipation of purchasing computer upgrade would appreciate reply from
> anyone who might be successfully using APRS 75 or later version with Pentium
> and Windows 95. Many thanks, Farrell Winder W8ZCF Cincinnati, Ohio.

Good luck Farrell...it's my considered opinion that virtually nothing runs successfully using Windoze 95. Spent 4 hours the other night configuring a modem to run under 95, which is billed as auto-configuring/plug 'n play. I don't think so!

73,
Gary

Gary Arnold CEM
Coordinator, Collier County (FL) Emergency Management
garnold@naples.net
76656.2753@compuserve.com

[Packet radio] wb2wpa@wb2wpa.#nap.fl.usa.noam

EM pages: "http://www.naples.net/govern/county/emrgmt/zccem1.htm"

Personal page: "http://www.naples.net/govern/county/emrgmt/garnold.htm"

"I'm writing an unauthorized autobiography."

-- Steven Wright, perpipheral visionary

From b.gotshall@worldnet.att.net Tue Jun 11 15:24:34 1996

Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA13154 for <aprssig@tapr.org>; Tue, 11 Jun 1996 15:24:29 -0500 (CDT)

Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)

id UAA01786; Tue, 11 Jun 1996 20:23:47 GMT

Date: Tue, 11 Jun 1996 20:23:47 GMT

Message-Id: <199606112023.UAA01786@mailhost.worldnet.att.net>

Received: from 250.orlando-2.fl.dial-access.att.net(199.70.197.250)

by mailhost.worldnet.att.net with SMTP

id A1737; Tue Jun 11 20:23:24 1996

X-Sender: b.gotshall@postoffice.worldnet.att.net (Unverified)

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>

Subject: Re: [APRSSIG:1783] Re: Kenwood Service

>A few years ago, 73 did a "review" on the service facilities of the major rig
>manufacturers. For Kenwood, turnaround was typically four to six months.

>

>(Icom was less than two weeks.)

I sent a Knewood 701, which was 10 years old, back to the East Coast
facility and they did a Factory Mod

FREE and returned the unit postage paid in about two weeks.

For my money, you can't beat that kind of service!!!

Bud (WB4LTF)

From gwyn@paccomm.com Tue Jun 11 15:44:40 1996

Received: from paccomm.com (paccomm.com [163.125.30.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA14025 for <aprssig@tapr.org>; Tue, 11 Jun 1996 15:44:29 -0500 (CDT)

Received: from gwyn.paccomm.com by paccomm.com with smtp

(Smail3.1.29.1 #1) id m0uTaIh-000FPWC; Tue, 11 Jun 96 16:44 EDT

Received: by gwyn.paccomm.com with Microsoft Mail

id <01BB57B5.3CF4E4C0@gwyn.paccomm.com>; Tue, 11 Jun 1996 16:44:20 -0400

Message-ID: <01BB57B5.3CF4E4C0@gwyn.paccomm.com>

From: Gwyn Reedy <gwyn@paccomm.com>

To: "'aprssig@tapr.org'" <aprssig@tapr.org>

Cc: "'WB4APR@amsat.org'" <WB4APR@amsat.org>,
"'WD5IVR@tapr.org'"

M`?8/'0'0'%'#0'#&'"P'/#@#\$%"?'\'/'0' #'M`''@2L?I+ZC\$!F=;@#='0]4 '@`'0!70C1!4%) 86US870N;W)G`%--M5% `5T(T05!20&%M<V%T+F]R9P`` '@"', \$ `` `% `` `4TU44 `` ` '>'`, P M`O` '\$ `` !70C1!4%) 86US870N;W)G`'', '%OP"' P#^#P8` '> M`\$P`O` '! , G5T(T05!20&%M<V%T+F]R9R<` '("S !` '% @`'% --M5% Z5T(T05!20\$%-4T%4+D]21P`'', '#fD` "'P! .@` '' '?'8/'0` M`O` &@Y#P\$` _ (\$K`Z2^HQ 9G6X`W0\$/5 (`'\$ M5T(T05!20&%M<V%T+F]R9P!33510`%="-.\$%04D!A;7-A="YO<F<`' T`' '# M`'P!P`' L`#PX!`'_@`_#P\$`']`'(\$K`Z2^HQ 9G6X`W0\$/ M5(`'\$`5TOU25920'1A<(N;W)G`%--5% `5TOU25920'1A<(N;W)G` M`!X`C`!`'!'0`'%--5%`' '@`#, \$`' O`' `5TOU25920'1A<(N M;W)G`', '%OP"' P#^#P8` '>`\$P`O`'!(`'G5TOU25920'1A<(N M;W)G)P`'(' "S !` '% 0`'%--5% Z5TOU25920%1!4%(N3U)`'', ; M`#fD` ""P! .@` "" "?"8/'0`' O`' '@`Y#P\$`']`' M`(\$K`Z2^HQ 9G6X`W0\$/5 (`'\$`5TOU25920'1A<(N;W)G`%--5% `5TOU M25920'1A<(N;W)G` '\$*F`OB`!P`8`' `25!-+DU18W)O<V]F="! -86EL M+DY0=&4`,`0@!!((! "H`'!213H@6T%04E-324<Z,3@S,%T@1U!3+3(P+"!! M;GD@8F]X(&ED96%S/P"C"P\$%@` , #@`', P`!@`+'! + `O`'(, @\$!((# M`X`'`# , !P8`"P`O`"8`,`O`""\$T!`OF`O`A`'-SOY-#8T,D0U,\$,S0T8Q M,3@P1#(P,#OP,#4R.4)#1#<\`8!`Y`&`@&`'2`'"P`C`'`#`"8` M`'`'L`*O`'`'P`V`'`!`#fD`H%W-P=97NP\$>`' `O`' "H`'!2 M13H@6T%04E-324<Z,3@S,%T@1U!3+3(P+"!!;GD@8F]X(&ED96%S/P`'(! M<O`!`' '%'@`'`&[5];!JRUE'7#4!`')/@-(`O`4IO-<`'!X`'@P!`'!'0` M`%--5%`' '@`'?# \$`'1`'9W=Y;D!P86-C;VUM+F-O;O`'`'`#`'80 M/1:HM@,`!Q#F`P`'@`(\$ \$`'!E`'3TY454531\$%9+\$I53D4Q,2PQ.3DV M-SHP-4%-+%)!3D192\$,3%--5% Z4D%.1%E(O\$=61T%\$1T=61U1%2T-/35=2 M3U1%.DA)+\$E214-%259%1\$U91U!3+3(P64535\$521\$%920`''''''`O'DO`O` M`.L\$`#G!`' @`D`\$Q:1G7.!GVD_P`*'O`"%0*H!>L"@P!O`O() `@!C: K M<V5T,C<&`;#`H,R`\4`"!ROG\$1XG-T96T"@S,W`N'O`\$P*#-!+,#>]F-5L2 MS!3(-A+'\$74P%+9]%PJ` ",\) V3L;!S(U-O`"@ J!#;\$+8&YG,3"&,Q10"P-L M:3,V#? S"U47<C%X&N`O`! /!O.@5 IO<V1A>2P`(\$IU;F4@,3\$(6 Q.3DV M(#<z5# U%+- (6!2`'!D"D@2 = ;%M331!44#IR(P)HO&= =F=A9<N)&\$N M"1/O:RX%H&U=(?'K`V 3T#H*A#FX+1A5B# \$7((?@26R8P5 2&DL^PJ\$`Y\Q M)F\G>"A?*6\J?P@@22 ;@&-E:78)"8 @;2,P1U!3+7D!T!"Y!Y 3T L@(4 N M-RZQ\$; AL'<1@ 5 =&A/(; EP#& !<!F92-P;_\`X`>`' %O`&@"& Q4RN/MZR R?+:@\!:!N(: G\ 6PY2%@= N >2S?\$S2/-9]/-[\XSSG?+K%W800@= ^<" M(2!"X!G(:O,M W@/\(" "&P\$8 \$(#)]1/Q -L#_2*3+S82 &X`@Q8&\@GG S M\$P0`/Q`",&_(_ ,U\[WSSO)_%!(CZ =6S[+U`O`-'!<"&@+T%!81&_R\P M,- #<"&P`V`#<#(`!;\$!,7(Q,E8@+3X@c_5(\!N`)+!"OT//1-)OS=*STO? M!@!O(6 _+R!GAT@+U!!(G-U9V<P(?YI`B A8 MOO&\$AL JP!! '_ ,7%(, = M`B!)GTW?3N],SW]5/U9/) _\$B\U=_6([9GR# 5T\$R04=%6P]<['_]=+UZ07[]@ MSV?'8N][C_V4&]Q\(/!@*A4@\$D`&P0?#\$#D7= OE!#/#W!U-J #D3Y :9= XC(O M!^!W">!K<UOU[OJ%4 #O`"%!M2#!!\5), PK /N)U<\$%3`V!D=0,O`%XP0C1! M4%(G@00@36EC(\$5N!:#9!(@\$*#\$@<2!H)9 #-\$-L#(&CP:S(@(S!B(;!'<. \+ M< M@`F AL`8)', "#@<+`B*3"@5V4G1X\$%@4!!/T<3)) O40A@`C ^XG!O_T(A M!"!(5B^E1K%`LC^);%(_== -W!B[6!< +@#%C<V`_1]%L4%,14&\$Q<2,P<I)M MG%Y&/M(AL`,` (:!F;+!S^#H@66PA<D-&DW,"<Y([O6%U4QQ<G\$:=@!R8_YU M;+\$&X L1,M _X2^6;%#J<@B"+U(O<'9@`""") /\A8",!>*5LL7HN=&-R82>A M]W/O#;!@&@3L`\$@!T!2`?>"\R+1+\\$\$> VL7GA`)#_4I,R4#`A27%&4#% M4H,1P#YC,*!\P N AO%ZXW-HIT9#?L,S`C\$N'; @04#Z,XQ1-\$(1\$7`D#`"@ M(O#[,<,+8`)20\$AR`Y%W&"%@WF(S\$5+A+S \$(,' *L`!10TA6?_L"(O-@1J") M]\$-Z\YE3<7EPAM-N=F5XD=#F=74B!T!U;ON E+!R,><Q<#H#O`9!M<"]"? O M4/*L`&@1J!MG["(V\$c,(L8[Y0P-M ^XD`38B,P=! (R`-> P!/ CS1D`B G

M!4!L\$0]!80# <K!L`@7 =.*(@I43V3,":VXR4#[B;WM":R+^;#!!BH W8"\P
M;9MMJ@LWHQD"+^%'=WD#H%)&\<\$A45<Q0D5,;BMN<7MRL%J29%* \$Y43(&W3
M?0&D\`#`! 0`''''',`\$1`''''0`',&##S_[55[L!0`(&##S_[55[L!
6'@`]'`\$`''%'`''4D4Z(`''`#?#` `

end

From CRWMAC@aol.com Tue Jun 11 15:55:24 1996
Received: from emout19.mail.aol.com (emout19.mx.aol.com [198.81.11.45]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA14463 for <aprssig@tapr.org>; Tue, 11
Jun 1996 15:55:22 -0500 (CDT)
From: CRWMAC@aol.com
Received: by emout19.mail.aol.com (8.6.12/8.6.12) id QAA15144; Tue, 11 Jun 1996
16:54:30 -0400
Date: Tue, 11 Jun 1996 16:54:30 -0400
Message-ID: <960611165430_132789289@emout19.mail.aol.com>
To: aprssig@tapr.org
cc: rcurry@ramlink.net
Subject: Re: [APRSSIG:1830] GPS-20, Any box ideas?

I put mine in a Rat Shack project box (blue plastic) it just fits w/
standoffs...
also got the M.I.M. in the same box...makes a nice installation mount gps
w/ the ant connector toward the box and there is enough room to drill a hole
for the
mcx connector to pop thru. I'm sending mine in a balloon package Sat 15June
(weather permitting).

APRS on 145.79;cwid on 146.565;35mm camera
Launching from western WV abt 8:00 AM

From quarry@q.continuum.net Tue Jun 11 16:03:41 1996
Received: from q.continuum.net (q.continuum.net [199.0.52.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id QAA15097 for <aprssig@tapr.org>; Tue, 11 Jun 1996
16:03:37 -0500 (CDT)
Received: from [199.0.52.85] (cd-36.continuum.net [199.0.52.85]) by
q.continuum.net (8.6.12/8.6.12) with SMTP id RAA24496 for <aprssig@tapr.org>; Tue,
11 Jun 1996 17:10:10 -0400
Message-Id: <v02140b02ade38d212e7c@[199.0.52.85]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 11 Jun 1996 17:03:30 -0400
To: aprssig@tapr.org
From: quarry@q.continuum.net (Chip)
Subject: Re:[APRSSIG:1812] Re: TORNADO WARNING IS POSSIBLE

At 5:28 6/11/96, you wrote:

> I think we covered this before. The FCC frowns on "special event"
> triggering of amateur radio transmissions. One person on this sig has fully
> researched this in conjunction with using the NWS weather alert to signal
> APRS stations automatically the second the alert is received. The FCC says

> it's a no-no. BUT one could certainly
> include lightning strike information in one's regularly sent beacon. It may
> not be as good a solution, but at least it's something.
>
> How about a lightning strike counter?

How about a special symbol for lightning strike. If there is an impending lightning strike it would key APRS to change the station symbol and send out immediate and frequent position reports ... this would show any stations in range of the digis that there was a storm. In conjunction with this you could have an alarm set based on either the lightning strike counter or the lightning strike symbol so it beeps up a storm (pardon the pun) at the receiving stations.

Chip Griffin - President of Thames River Apple Users Group (TRAUG)
BBS System Operator of The Quarry (860-889-6427)
- eMail to: quarry@q.continuum.net
my home page: http://q.continuum.net/~quarry/
TRAUG home page: http://q.continuum.net/~quarry/TRAUG.html

From n2czf@gate.net Tue Jun 11 17:07:59 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA17048 for <aprssig@tapr.org>; Tue, 11 Jun 1996 17:07:34 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.153 (wpbf12-26.gate.net [199.227.125.153]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id SAA60014 for <aprssig@tapr.org>; Tue, 11 Jun 1996 18:07:12 -0400
Date: Tue, 11 Jun 1996 18:07:12 -0400
Message-Id: <199606112207.SAA60014@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1802] Weather info TRW Alerts
To: aprssig@tapr.org
In-Reply-To: <960610215529_324324819@emout18.mail.aol.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

This is one of the best practical ideas I have seen in a long time!

On Mon, 10 Jun 1996, KD4EMI@aol.com wrote:

*** snip***

>Hows this...

>

>As most of you know, Florida has been drowned by as much as 9 inches of rain
>a day and severe t-storms and lightning. I have a old sensor that shuts off
>the computer when it detects lightning bursts.. I can basic stamp this to
>the tnc and vhf users can set their wx alert to say wind speed of 999. Then
>they will be alerted if this wind speed is sent. I can program the stamp to
>change the beacon text to a wx text with a wind speed of 999
>(or any wx parameter that you choose that would be unlikely). Upon receipt of

>the lightning monitor beep it changes the wx beacon, thus alerting local APRS
>stations of incoming lightning...
snip

I think this is great, not only from a APRS prespective but also from a station point of view. A stamp local to the station could control some switching circuits that can then control a large solenoid or coaxial relays. NOTHING will prevent damage from a direct hit except for manual disconnects as we know. A close hit problem can be prevented with the little isolation a relay will provide. It is not much but every little bit helps.

Maybe if Bob includes a range subroutine in APRS the TRW alerts could be limited to a certain area. I often see reports from KD4UYR both on HF and VHF and he is over 100 miles away. I am not very interested in that distance for TRW alerts but with some work with the stamp and the APRS program we may be able to assign a interested radius of alert.

BTW you say old sensor, we all have old neat things in our box but how simple would it be to duplicate your sensor or a likeness that would work. not everyone will have the parts you do.

Good work Mike!
73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.
Steven Wright

From n2czf@gate.net Tue Jun 11 17:16:04 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA17130 for <aprssig@tapr.org>; Tue, 11 Jun 1996 17:13:54 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.153 (wpbfl2-26.gate.net [199.227.125.153]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id SAA03978 for <aprssig@tapr.org>; Tue, 11 Jun 1996 18:13:33 -0400
Date: Tue, 11 Jun 1996 18:13:33 -0400
Message-Id: <199606112213.SAA03978@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1806] TORNADO WARNING IS POSSIBLE
To: aprssig@tapr.org
In-Reply-To: <960610230642_324403809@emout17.mail.aol.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

On Mon, 10 Jun 1996, KD4EMI@aol.com wrote:
>ASk and the Gods giveth...

SNIP

Boy you are on a roll, neat, high tech, and within reach of most amateurs!
Granted the paging function is a bit too "high tech" but if you want to go for the limit this is a sooth idea!

SNIP

>Ok, do you guys think I should go for it ?? I can get one and see if I can
>interface a stamp to it.. The alert will prgram a parameter in the TNC to
>change one wx parameter...OR
>Bob B...
>Can you make a lightning or T storm alert text for aprs ?
>If folks are interested in this stuff, let me know and I'll pursue it.
>I can forsesee a lightning alert station every few 100 miles...?
>OR EVEN BETTER...
>use the pager function on the new Kantronics tnc and BEEP EVERYONE about
>incoming bad wx ?
>Im so excited I can hardly type !!
>Michael
>KD4EMI@AOL.COM
>Time to lick those stamps...
>

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've
forgotten this before. Steven Wright

From snabkey@wingsbbs.com Tue Jun 11 17:39:47 1996
Received: from wingsbbs.com ([205.243.16.10]) by tapr.org (8.7.5/8.7.3/1.9) with
SMTP id RAA17964 for <aprssig@tapr.org>; Tue, 11 Jun 1996 17:36:26 -0500 (CDT)
Message-Id: <199606112236.RAA17964@tapr.org>
Received: from inertia.net by wingsbbs.com
with SMTP (IPAD 1.1) id 2432300 ; Tue, 11 Jun 96 17:42:56 UTC
Comments: Authenticated sender is <snabkey@wingsbbs.com>
From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
To: aprssig@tapr.org
Date: Tue, 11 Jun 1996 18:34:14 -0000
Subject: Re: [APRSSIG:1821] Re: WINAPRS 'features'?
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.23)

The lockup people talk about . . . Seems to be related to the fact
that there is no Map Window OPEN. I close all maps windows and at
the next Packet RX, I get an Unhandled Execption error.

Sam Nabkey - WJ8T
Internet: snabkey@wingsbbs.com

amprnet: wj8t@w8dc.ampr.org
AX.25: WJ8T@W8DC.#SWMI.MI.USA.NOAM

From gwyn@paccomm.com Tue Jun 11 17:40:04 1996
Received: from paccomm.com (paccomm.com [163.125.30.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA17981 for <aprssig@tapr.org>; Tue, 11 Jun 1996
17:39:06 -0500 (CDT)
Received: from gwyn.paccomm.com by paccomm.com with smtp
(Smail3.1.29.1 #1) id m0uTc5V-000FPVC; Tue, 11 Jun 96 18:39 EDT
Received: by gwyn.paccomm.com with Microsoft Mail
id <01BB57C5.3E235F60@gwyn.paccomm.com>; Tue, 11 Jun 1996 18:38:54 -0400
Message-ID: <01BB57C5.3E235F60@gwyn.paccomm.com>
From: Gwyn Reedy <gwyn@paccomm.com>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:1830] GPS-20, Any box ideas?
Date: Tue, 11 Jun 1996 18:38:52 -0400
Encoding: 39 TEXT, 52 UUENCODE
X-MS-Attachment: WINMAIL.DAT 0 00-00-1980 00:00

On Tuesday, June 11, 1996 7:05 AM, Randy Hall[SMTP:randyhgvgadg.gvg.tek.com]
wrote:

>Hi,
>
>I received my GPS-20 yesterday. I see what the other fellow meant about the
>connector, tiny!
>
>I was wondering if anyone has any ideas about a box to put this into? The
>box would also need to have some room for the 12V -> 5V reg.
>
>So, if anyone has any good box suggestion, please pass them along.
>
>Randy
>WA2AGE
>

Here is an idea, if you can wait a few weeks.

PacComm is gearing up to produce WB4APR's Mic Encoder (which will likely be
available via TAPR). We've decided to add mounting points for the GPS-20 so
someone can mount the GPS receiver in the same case if they like.

Fringe benefits: You will also be able to use the Mic Encoder circuit board
as a GPS-20 carrier/support board, and mount it in the same case. We'll
provide physical support, RS-232 conversion, power regulation, etc. Final
case should be about 1.25 x 3 x 4 inches. Rather larger than the GPS-20,
but leaves space for the Mic Encoder controls etc. Case is typical PacComm
extruded aluminum with stamped end panels.

I really should be running this by TAPR first, but don't you to make your
decision without knowing of this alternative.

Gwyn Reedy, W1BEL

PacComm Packet Radio Systems

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

```
begin 600 WINMAIL.DAT
M>)\^(C86`0:0" ` $` ``````!` $` `0>0!@` (````Y 0` ```````#H` ` $-@ 0`
M`@` ````(`@`!!) &` `P!` ````!``````#` ```````,`#` #` ````"P` /#`@` ``````"?\/
M`0` ````#` \` ``````````@2L?I+ZC$!F=;@#` =` 0]4` @` ````!A<`)S<VEG0`1A<`(N
M;W)G` %-5% `87!R<W-I9T!T87!R+F]R9P` ``@` ", $` ````%` ````4TU44 ``
M` ``>`,`P`0` ``!$` ``!A<`)S<VEG0`1A<`(N;W)G` ```````,`%0P!` ````P`#^
M`#P8` ````>` $P`0` ``!, ``G87!R<W-I9T!T87!R+F]R9R<` ``(!"S !` ````
M%`@` ````%-5% Z05!24U-)1T!405!2+D]21P` `````,`#D` ``````"P! .@$` ````"
M`?8/`0` ````0` ````````# $RX!"( ``!@` ``!)4$TN36EC<F]S;V9T($UA:6PN
M3F]T90`Q" $ $@ $` *`@` ````%)%.B!;05!24U-)1SHQ.#,P72!`4%,M,C L($%N
M>2!B;W@@:61E87,`_`*`+`06` `P` .` ````S <`&` ``L` $@` F` #0` `@`!2`0$@@`,`
M`#`@` ```,`P`!`@`+`!(`)0`/` ``(`+` $!`"8`!`"$` ````W13DT-C0R1#4P0S-#1C$Q
M.#!$ ,C P-# P-3(Y0D-$-P`!!P$#D 8`A 8`!(` ````+`,`", `````````,`)@` ``
M` ````"P`I` ````````#` #8` ``````$` .0! .CG$YE>[`1X`<` ``!````*`@` ````%)%
M.B!;05!24U-)1SHQ.#,P72!`4%,M,C L($%N>2!B;W@@:61E87,`_` `````@%Q
M` $` ````6` ``````;M7YL0?+624?`-0$<^ T@! !2F\UP` ``@`># $` ````%` ````
M4TU44 ``````>`! \, `0` ``!$` ``!G=WEN0`!A8V-0;6TN8V]M` ```````,`!A W
ML1$ $P` '$ X$` ````>` ``@`0` ``&4` ``! /3E1515-$05DL2E5.13$Q+#$Y.38W
M.C U04TL4D%.1%E(04Q,4TU44#I204Y$64A 1U9`041`1U9`5$5+0T]-5U)/
M5$4Z2$DL25)%0T5)5D5$35E`4%,M,C!915-415)$05E)````````(!"1 !` ````
M^ 0` ``/0$` ``"?`0` ``3%I&=:B&!YS_` ``H!#P(5`J@%ZP*#`%` "%\@D``&-H"L!S
M970R-P8`!L,"@S(#Q0(`<`) "<1`B<W1E;0*# ,S<"Y <3`H,T$LP/WV8U6Q+,
M%,@V$L<1=3 4MGT7"H (SPG9.QM_,C4U#P* "H$-L0M@;F<Q,(8S%% +`VQI
M,S8-`# ,+51=R,3@:X ! ($`%`Z!4"E!S9&%Y+ `@2G5N92 Q,0$A8#$Y.38@
M-SI4,#44L$TA8(`<&0(>2!(!T!L6U--$%10.G(C`FA 9T!V9V%D9RXD82X)
M$)!K+@6@;5T@=^L#8!/0.@J$/@M&%6(, `1<@@!^!);)C!4! (:2S["H0?GS$F
M;R=X*%I;RI_`""!) (!N 8V5I=@D)@`!M(S!`4%,M>0`0(`D`D! /0`R A0`XW
M+K$1L"&P=Q& !4!T:$\AL"7 ,8 %P&9E(W!O_P?@!X `< 5` : (8#%3*X_K
M+) \MKR %H&XAH"?P! ;#E(6!T"X!Y(3-_- (\UGT\WOSC/.=\NL7=A!"!WYP(@
M!($+@&<@!I RT#> _P(@(; 1@ 0@/U$`$ VP/](I,O-A( ;@>#%@;R"><# ,3
M! `_$ (P;S\X#\$S7S0?/.\G\4$B/H!U;/L04 = <T%P(: 004%A$8#_+S P
MT -P(; #8 -P,@`%L0$Q<C$R5B M/B#^-4CP&X DL$*_0\]$WTF_-TK/2]\&
M`&\A8# \0(&>'2! 04$B<W5G9S A_FD"("%@`"U! 82&P"K $ $ ?\Q<4@P!T "
M($F?3=].[TS/?U4_5D\G\2+S5W]8CUF?(!,!703)!1T5;#UP?WUT07J8?#R 8
M"H5(!) AL-]!\0.10$)00S]P=3:@`Y%=/D!I0.(R$ ?@=PG@:[9S5#4*A5`
MT A0;4@PST'Q4D *P# [B=7!!4P-@#&1U+P!>,$(T05 $4B<$( $UI8R!%9FX%
MH 2!("@Q(&K :&\ED ,0`R!BD&LR(" ,P8G\AL J%1W +< M@`F AL'87!S @
MX&I1*3"@5V4G_T>!!8% 04<3)) 040A@`C#Y/N)P;T(A!"!(5B^E1K'_ "H5'
MLC^"9?)OXW$6+M8%P/ ,+@#%C<V%`T67P4Q%08>\Q<2,P;#)G/$8^TB&P;*"%
M(:!F9E!S.B!99<`?:^-&DVRA;9-!8753$3%RXVJZ;Q!R8W5F40;@`Q&0; ,<_
MX2^69?R"((04A#^<`!P`"! [I"%@ (P%S)691_W2N;G-L`0J%)Z%MX VP08#^
M:!.P:L `0%(!?>,BT2!_C,1X# :Q=&$`D%*3,E QX=])<490,4!2@Q' 8S"@
M=T#/"X""40J%=6-S:$9#>4.I,P(Q+AVP($% ,X@A_C1"$1%P!Y PH"+P,<,+
M8`YR4D!(<@.1<2@A8 J%8N\S$5+A+S $(`,`*L&GQ2%;?>GL"(0-@1J"%5$-U
M<U-QG'EP@C-H%@J%97B.$ .9U;S(`0`5M"X"18&01YS%P,- !D&UP+T$)\`"]0
M_PJP(:!&H<<\+L(C82,PANCOD. VT# [B0=-B(S!N(C(`KWM $ \ A8(N29 (@
```

M)P5 _V6R06\$`P&Q09:(%P J%;0)G@^*1PS,":VXR4#[B;_MUPF3";#!!A> W
M8"\P9S01"H5'=WD#H%)&\2%1X%<Q0D5,9ZUH\$6Q0[5J29%* \$Y5SG ^<6PLW
MOQD"+^&=/YYOGWYG9'VFX ,`\$! ``````P`1\$ ````! ``<P8\$<4BN97NP%
A``@P8\$<4BN97NP\$>`#T`0````4````!213H@````- *
,

end

From snabkey@wingsbbs.com Tue Jun 11 17:44:17 1996
Received: from wingsbbs.com ([205.243.16.10]) by tapr.org (8.7.5/8.7.3/1.9) with
SMTP id RAA18042 for <aprssig@tapr.org>; Tue, 11 Jun 1996 17:44:10 -0500 (CDT)
Message-Id: <199606112244.RAA18042@tapr.org>
Received: from inertia.net by wingsbbs.com
with SMTP (IPAD 1.1) id 2432300 ; Tue, 11 Jun 96 17:42:56 UTC
Comments: Authenticated sender is <snabkey@wingsbbs.com>
From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
To: aprssig@tapr.org
Date: Tue, 11 Jun 1996 18:34:14 -0000
Subject: Re: [APRSSIG:1821] Re: WINAPRS 'features'?
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.23)

The lockup people talk about . . . Seems to be related to the fact
that there is no Map Window OPEN. I close all maps windows and at
the next Packet RX, I get an Unhandled Exception error.

Sam Nabkey - WJ8T
Internet: snabkey@wingsbbs.com
ampnet: wj8t@w8dc.ampr.org
AX.25: WJ8T@W8DC.#SWMI.MI.USA.NOAM

From n2czf@gate.net Tue Jun 11 17:55:24 1996
Received: from osceola.gate.net (osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA18448 for <aprssig@tapr.org>; Tue, 11 Jun 1996
17:54:33 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.153 (wpbfl2-26.gate.net [199.227.125.153]) by
osceola.gate.net (8.6.12/8.6.12) with SMTP id SAA42758 for <aprssig@tapr.org>;
Tue, 11 Jun 1996 18:53:48 -0400
Date: Tue, 11 Jun 1996 18:53:48 -0400
Message-Id: <199606112253.SAA42758@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: Florida Statewide APRS Meeting
To: aprssig@tapr.org
In-Reply-To: <31BD8506.15FB@encore.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

On Tue, 11 Jun 1996, Dennis Mobley <dmobley@encore.com> wrote:
*** SNIP***

>To the rest of the SIG, thank you for the indulgence and bandwidth.

>Rich and I can now move onto direct email.

>

>Thank you & 73

>Dennis Mobley

>Sunrise, Fl

>

Yep! I messed up (the cleaner words) I am sorry for the long drawn out message. The previous message I sent was intended as personal mail to Dennis and some others that I have e-mail addresses for, not to the whole sig! As many know when you hit reply, thinking that the mail was originally personal but actually went to the sig it goes back to the sig not the sender! Wish that the server could be changed to actually send the reply to the sender, not the sig.

73's De Rich N2CZF

n2czf@gate.net

Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.

Steven Wright

From snabkey@wingsbbs.com Tue Jun 11 18:40:37 1996

Received: from wingsbbs.com ([205.243.16.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA20002 for <aprssig@tapr.org>; Tue, 11 Jun 1996 18:40:34 -0500 (CDT)

Message-Id: <199606112340.SAA20002@tapr.org>

Received: from inertia.net by wingsbbs.com

with SMTP (IPAD 1.1) id 2436900 ; Tue, 11 Jun 96 18:40:21 UTC

Comments: Authenticated sender is <snabkey@wingsbbs.com>

From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>

To: aprssig@tapr.org

Date: Tue, 11 Jun 1996 19:31:40 -0000

Subject: Re: [APRSSIG:1824] Re: TORNADO WARNING IS POSSIBLE

Priority: normal

X-mailer: Pegasus Mail for Windows (v2.23)

On 11 Jun 96 at 9:55, you wrote:

> There is a subtle difference here...and I'm going to try to explain
> my understanding of the rules(and how I'd apply them to write an
> appropriate 00 card...) Anyway, you are probably all aware that it
> is a bozo nono to retransmit the NWS radio stations..that is
> because they are another radio service and this is forboten!

See 97.113 (e) Just so the folks don't get any wrong ideas about what is the Rule. Read it, boil it down and see if this is what it says.....

97.113 (e) Says that it is forboten to retransmit the Rolling Stones or John's Wrecker Service OR the State Police BUT it is okay to retransmit the NOAA Weather Service (Gov't supplied - 162Mhz)

as an incident of normal Amateur Communications.

>On the other hand, if a station under automatic control announces it is
> 12pm..this is okay(much like announcing that my lightning sensor
> went off...duck!) This isn't a retransmission of data that
> originated on another radio service, but rather from a sensor
> attached to the stations computer. This should be okay. Go for it.

That would be Telemetry. Telemetry is OK per 97.111 (b-7). . .

I am NOT a Lawyer BUT it is pretty black and white. I got the rules
from <http://www.afn.org/~gars/fcc/p97-b.html>.

Whats say you try another message to the APRSSIG. This time tell it
like it is.

From bruninga@nadm.navy.mil Tue Jun 11 18:56:40 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA20658 for <aprssig@tapr.org>; Tue, 11
Jun 1996 18:56:38 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
TAA19069; Tue, 11 Jun 1996 19:57:31 -0400
Date: Tue, 11 Jun 1996 19:57:31 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: MIC-Encoder notes
Message-ID: <Pine.SUN.3.91.960611130009.7690A-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here is what we have learend with a months worth of experience since Dayton
about the operation of the APRS Mic-Encoder:

- 1) It appears that a minimum of about 100 ms is required for many TNC's
to sync up to the very short packets. Actually about 60 was the minimum,
with a KPC-3, but we are using 100 to be sure. Let us know your experience?
- 2) When you use MIC100.exe to program the MIC, you will probably need to
first issue the MODE MIC command. This software can also configure a
MIM, so be sure it is in MIC mode before you program all the parameters.
- 3) Occassionally the MIC will loose its configuration. This is obvious,
since it will power up with the LED ON. If so, then you will have to
reprogram it.
- 4) In version 1.00 if you switch AUTO OFF, then not even PTT packets will
be transmitted. So set your AUTO TIME period to off using MIC100.exe
if you do not want AUTO packets generated...

de wb4apr@amsat.org

From KD4EMI@aol.com Tue Jun 11 19:00:12 1996

Received: from emout17.mail.aol.com (emout17.mx.aol.com [198.81.11.43]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA20876 for <aprssig@tapr.org>; Tue, 11 Jun 1996 19:00:09 -0500 (CDT)

From: KD4EMI@aol.com

Received: by emout17.mail.aol.com (8.6.12/8.6.12) id TAA01745 for aprssig@tapr.org; Tue, 11 Jun 1996 19:59:47 -0400

Date: Tue, 11 Jun 1996 19:59:47 -0400

Message-ID: <960611195947_325275548@emout17.mail.aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1815] Re: TORNADO WARNING IS POSSIBLE

In a message dated 96-06-11 08:38:42 EDT, you write:

>
>> I think we covered this before. The FCC frowns on "special event"
>> triggering of amateur radio transmissions. One person on this sig has
>fully
>> researched this in conjunction with using the NWS weather alert to signal
>> APRS stations automatically the second the alert is received. The FCC
says
>> it's a no-no. BUT one could certainly
>> include lightning strike information in one's regularly sent beacon. It
>may
>> not be as good a solution, but at least it's something.
>>

This is incorrect...The FCC objected to using NWS alerts to trigger HAM stations...This is not responding to NWS alert it is responding just like a wx monitor... Therefore it is totally legal
Mike

From KD4EMI@aol.com Tue Jun 11 19:00:16 1996

Received: from emout19.mail.aol.com (emout19.mx.aol.com [198.81.11.45]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA20877 for <aprssig@tapr.org>; Tue, 11 Jun 1996 19:00:11 -0500 (CDT)

From: KD4EMI@aol.com

Received: by emout19.mail.aol.com (8.6.12/8.6.12) id TAA26398 for aprssig@tapr.org; Tue, 11 Jun 1996 19:59:56 -0400

Date: Tue, 11 Jun 1996 19:59:56 -0400

Message-ID: <960611195955_325275593@emout19.mail.aol.com>

To: aprssig@tapr.org

Subject: RE legality

Last msg re :legality of lightning reporting

Ive read the discussion for and against.

#1 Reverse autopatch...NONO
Intitiated by a non ham...

Not applicable

#2

NWS alert..
Not applicable,
Im not REBROADCASTING anything.. Im not taking a nws alert and changing it.
Im doing a wx alert myself.

It's just as legal to xmit wx data as it is to broadcast lightning data.
Im not rebroadcasting anything..
Therefore work will procede with this device...

I enjoy the discussion that others have written about this project and the response is overwhelming. Further I want to complement everyone for remaining civil about the difference of opinion. Even though I may not agree with everyone I respect a guy that presents his case sanely and without "name calling".

I am most interested in discussion the idea of lightning triangulation but already have started thinking about wiring my roanoke doppler to 4 vlf devices (why I dont know, just thought it would be fun)

I'll do that later...Right now I want to get the device operational and plan on giving several away (please dont ask for one) for testing. I will get these on line and compare notes then will make them available when they are running well...

After I get several more made, and distributed locally and get the thing to talk to aprs we will procede.

I guess next step is triangulate stuff...But again, thats jumping ahead.
I guesstimate that 3 users will have the completed units in a week and we can report the success of the device.

Any other suggestions are appreciated and any references on building a better VLF reciever is also appreciated..

Mike
KD4EMI@AOL.COM

From stanzepa@usa.nai.net Tue Jun 11 19:30:54 1996
Received: from usa.nai.net (usa.nai.net [204.71.21.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA22062 for <aprssig@tapr.org>; Tue, 11 Jun 1996 19:30:44 -0500 (CDT)
Received: from [206.98.48.187] (naih1p68.nai.net [206.98.48.187]) by usa.nai.net (8.6.12/8.6.5) with SMTP id UAA16426 for <aprssig@tapr.org>; Tue, 11 Jun 1996 20:27:00 -0400
X-Sender: stanzepa@nai.net (Unverified)
Message-Id: <v01510101ade3ba8f7940@[206.98.48.249]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 11 Jun 1996 20:30:07 -0400
To: aprssig@tapr.org
From: stanzepa@usa.nai.net (stan horzepa)
Subject: TAPR GPS-20 help requested

Hello All,

Let me preface this by saying that I am a GPS greenhorn. I've never before had seen one in the flesh until I received my GPS-20 from TAPR yesterday. Problem is that the unit I received appears to be data dead.

I am very confident that the unit is wired properly and I do see +5 volts dc at the center pin of the antenna connector, so I know it is getting power, however, I get no data out of the unit. I did swap power supplies as the documentation suggested, but still no go.

My thought is that the unit is DOA, but before I reach that drastic conclusion, I thought I asked the SIG for any ideas on the matter.

Thanks in advance,

Stan, WA1LOU

stanzepa@nai.net

From KD4EMI@aol.com Tue Jun 11 19:54:19 1996
Received: from emout10.mail.aol.com (emout10.mx.aol.com [198.81.11.25]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA22970 for <aprssig@tapr.org>; Tue, 11 Jun 1996 19:54:14 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout10.mail.aol.com (8.6.12/8.6.12) id UAA24480 for aprssig@tapr.org; Tue, 11 Jun 1996 20:53:41 -0400
Date: Tue, 11 Jun 1996 20:53:41 -0400
Message-ID: <960611205340_325333344@emout10.mail.aol.com>
To: aprssig@tapr.org
Subject: Other events

I have been thinking again...How about an interface a siesmograph (sp ?) to aprs...Interesting application..? A network of stations ??

Hmmm lightning, weather, siemographs, how about those of you who live near Nuclear power plants...? You can buy a gieger counter with rs232 interface for \$200.00. Then hook those up to aprs and issue radiation beacons.. (I didnt say alerts for that one)

When that accidental release of steam comes over the house..well.. Could be neat for documentation..

The list is growing and Im groaning...Hmm Will sleep on it again and think up some more applications...Im trying to eliminate the basic stamp now. The little baby costs \$100.00 I want cheap, accurate and easy to build.. If I can do it with hardware that would be better...

I also hope to hear from Bob about what would be better, stand alone units

with preprogrammed texts or something interfaced to the program and computer.
The detector just flips it on and the beacon, beacon time , and etc are preprogrammed. This would be the cheapest way..

Guys...(and gals) please keep me posted if you have any good vlf articles about lightning sensors..I did get the SCI AMERICAN article that was mentioned (FROM AOL !) and found it ehh ok...

Im looking for the easy cheap way to build a sensor . I have ordered one though from the weather guys and will take it from there...
(did I say reverse engineer ?)

Michael
KD4EMI@AOL.COM

From 0004818186@mcimail.com Tue Jun 11 20:04:23 1996
Received: from gatekeeper2.mcimail.com (gatekeeper2.mcimail.com [192.147.45.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA23600 for <aprssig@tapr.org>; Tue, 11 Jun 1996 20:04:18 -0500 (CDT)
Received: from mailgate2.mcimail.com (mailgate2.mcimail.com [166.40.135.23]) by gatekeeper2.mcimail.com (8.6.12/8.6.10) with SMTP id BAA18813; Wed, 12 Jun 1996 01:07:26 GMT
Received: from mcimail.com by mailgate2.mcimail.com id ae20069;
12 Jun 96 1:03 WET
Date: Tue, 11 Jun 96 20:02 EST
From: Miami Network <0004818186@mcimail.com>
To: aprssig <aprssig@tapr.org>
Subject: Re: [APRSSIG:1828] Re: Kenwood Service
Message-Id: <93960612010239/0004818186NA2EM@MCIMAIL.COM>

I have sent in to Kenwood over the past 2 years at least 10 radios. The turnaround has been at most 4 weeks. The radios were sent to the Virginia Beach branch called Kenwood Service Center East.

The fastest turnaround was an HT that was shipped out on Friday and returned to me the following Friday!

Have only sent 1 radio to ICOM for repair and that took about 4 weeks as well.

73, Seymour, KC4NMY

From sparkfel@primenet.com Tue Jun 11 20:13:35 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTMP id UAA23824 for <aprssig@tapr.org>; Tue, 11 Jun 1996 20:13:28 -0500 (CDT)
Received: from primenet.com (root@usr3.primenet.com [198.68.32.13]) by mailhost1.primenet.com (8.7.3/8.7.1) with ESMTMP id SAA09155 for <aprssig@tapr.org>; Tue, 11 Jun 1996 18:12:46 -0700 (MST)
Received: from ip113.phx.primenet.com (ip113.phx.primenet.com [198.68.46.113]) by

primenet.com (8.7.3/8.7.3) with SMTP id SAA27561; Tue, 11 Jun 1996 18:12:35 -0700 (MST)

Date: Tue, 11 Jun 1996 18:12:35 -0700 (MST)

Message-Id: <1.5.4.16.19960611181243.08b702ba@mailhost.primenet.com>

X-Sender: sparkfel@mailhost.primenet.com

X-Mailer: Windows Eudora Light Version 1.5.4 (16)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org, aprssig@tapr.org

From: Mark Fellhauer <sparkfel@primenet.com>

Subject: Re: [APRSSIG:1815] Re: TORNADO WARNING IS POSSIBLE

At 06:46 AM 6/11/96 -0500, William Nolle wrote:

>

>This is hard to understand because why is it ok to transmit the WX info from a
>Davis or peet brothers weather station, but not from a Lightning detector
>receiver!. I fail to see the difference myself. Hummmm

>

Yes, it's OK to transmit the info, but I think that there is a difference here. If you want timely information that an electrical storm is approaching, the logical choice is to have the APRS station report automatically as soon as lightning is detected. BUT as we have been told the FCC frowns on this. So the information could be included in regular beacons as long as the event doesn't cause a transmission. This may lead to an unacceptable delay in notification.

The ad copy for the LSU-2001 states that it can detect lightning 40 miles away. Suppose you're beaconing wx info every 15 minutes. Suppose that lightning strikes right after a beacon, that leaves about 15 minutes before any notification to the APRS net. A storm can travel quite far in 15 minutes.

All-in-all I think it's a great idea. How useful it is remains to be seen. I've wanted a lightning detector ever since I knew one existed. (and that's been a long time)

Although here in Metro Phoenix we get little (if any) rain and our electrical storms are pretty wimpy. Down near Tucson it's another story, though. I wish we'd get SOME rain soon, so they'd open up the National Forests again.

73,

Mark Fellhauer
sparkfel@primenet.com

From sparkfel@primenet.com Tue Jun 11 20:30:12 1996

Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA24373 for <aprssig@tapr.org>; Tue, 11 Jun 1996 20:30:06 -0500 (CDT)

Received: from primenet.com (root@usr3.primenet.com [198.68.32.13]) by mailhost1.primenet.com (8.7.3/8.7.1) with ESMTP id SAA10610 for

<aprssig@tapr.org>; Tue, 11 Jun 1996 18:29:54 -0700 (MST)
Received: from ip113.phx.primenet.com (ip113.phx.primenet.com [198.68.46.113]) by
primenet.com (8.7.3/8.7.3) with SMTP id SAA00999; Tue, 11 Jun 1996 18:29:53 -0700
(MST)
Date: Tue, 11 Jun 1996 18:29:53 -0700 (MST)
Message-Id: <1.5.4.16.19960611182952.08b7ca9e@mailhost.primenet.com>
X-Sender: sparkfel@mailhost.primenet.com
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org, aprssig@tapr.org
From: Mark Fellhauer <sparkfel@primenet.com>
Subject: Re: [APRSSIG:1820] GPS and Lightening/Tornado tracking

At 08:35 AM 6/11/96 -0500, Bob Bruninga wrote:

>The one microsecond precise time combined with a very simple LF receiver
>to detect strikes can make it easy to triangulate the location of each
>strike and plot them in real time on the APRS map. With this timing
>accuracy, position to about a quarter mile should be possible.

>
>

Although, I've chastised others on this sig for promoting commercial
products and services, I'm gonna do it myself.

There are reasonably priced commercial lightning monitors out there. In
fact, a 3M Storm Scope may be cheaper and more accurate than a home-brewed
system. These amazing little contraptions can reliably pinpoint a lightning
strike over 100 miles away. I only point this out because we are dealing
with people's lives.

Unfortunately, a lot of this information USED to be available on the
internet, such as a 15 minute nationwide precipitation map and lightning
strike map. They have been removed from the public domain because taxpaying
netizens (who paid for the systems) dared actually to use the web sites. Oh
sure, you can get them still, but with a suitable (read many hours or days)
delay.

73,

Mark Fellhauer

From KD4EMI@aol.com Tue Jun 11 20:34:57 1996
Received: from emout09.mail.aol.com (emout09.mx.aol.com [198.81.11.24]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA24695 for <aprssig@tapr.org>; Tue, 11
Jun 1996 20:34:52 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout09.mail.aol.com (8.6.12/8.6.12) id VAA09524 for
aprssig@tapr.org; Tue, 11 Jun 1996 21:34:33 -0400
Date: Tue, 11 Jun 1996 21:34:33 -0400
Message-ID: <960611213432_325379504@emout09.mail.aol.com>
To: aprssig@tapr.org

Subject: last wx installment

I wanted to differentiate TORNADO warning systems from
LIGHTNING warning systems..

Lightning systems use VLF receivers to detect same

Tornado systems use sound warning systems

Here is an ad I copied FYI on TORNADO systems..

So far we got rain, wind, temp, baro, lightning, siesmograph and
now TORNADO warning..

Here is the ad...Im getting started, lots to do, when we get them operating
will contact everyone with the results...

Mike

KD4EMI@AOL.COM

-----TORNADO SYSTEM-----

-Many tornado victims never receive a warning. The first notice they get, especially at night, is the view of the sky they see as their roof disappears into the darkness. A sophisticated electronic device now offers life-saving technology. Dr. Henry Bass, Director of The National Center for Physical Acoustics, along with associates at the University of Mississippi, invested more than 16 years in research and development to produce the Tornado Alert System (TAS).

A TAS unit has a remote sensor which mounts to the exterior of the building.

The sensor receives and processes data, detecting the sound signature of a tornado. When a certain frequency is matched, the exterior sensor sends a signal to the receiver inside the building. This unit is similar in appearance and size to a smoke detector. A high db alarm will sound and provide up to 90 seconds warning for you to implement your emergency plan.

Alert time varies with the size of the tornado. Tornadoes can move very quickly and 90 seconds can mean the difference between life and death or serious injury. This amount of notice will only be effective if you and your family have already planned and rehearsed actions that you would take in the event of a tornado.

The interior unit is mounted inside in a convenient location. It operates on AC power with a battery backup. The exterior sensor is mounted outside and contains the acoustic sensor used to listen for tornadoes. 50 feet of cable is provided to connect the two units. The unit comes with a test audio tape so that you can be sure it is working effectively.

If you own a home or business, especially a mobile home, or are responsible for group gatherings in tornado country, then you would be wise to invest in this added measure of security.

I am not sure how effective this thing is but maybe someone wants to play
with it...

MIke

From sparkfel@primenet.com Tue Jun 11 20:44:27 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA24757 for <aprssig@tapr.org>; Tue, 11 Jun 1996 20:44:11 -0500 (CDT)
Received: from primenet.com (root@usr3.primenet.com [198.68.32.13]) by mailhost1.primenet.com (8.7.3/8.7.1) with ESMTP id SAA11715 for <aprssig@tapr.org>; Tue, 11 Jun 1996 18:43:53 -0700 (MST)
Received: from ip113.phx.primenet.com (ip113.phx.primenet.com [198.68.46.113]) by primenet.com (8.7.3/8.7.3) with SMTP id SAA03829; Tue, 11 Jun 1996 18:43:50 -0700 (MST)
Date: Tue, 11 Jun 1996 18:43:50 -0700 (MST)
Message-Id: <1.5.4.16.19960611184351.08b79a94@mailhost.primenet.com>
X-Sender: sparkfel@mailhost.primenet.com
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org, aprssig@tapr.org
From: Mark Fellhauer <sparkfel@primenet.com>
Subject: Re: [APRSSIG:1824] Re: TORNADO WARNING IS POSSIBLE

At 09:55 AM 6/11/96 -0500, Steve Wilson x2388 wrote:

>

>There is a subtle difference here...and I'm going to try to explain
>my understanding of the rules(and how I'd apply them to write an
>appropriate 00 card...) Anyway, you are probably all aware that
>it is a bozo nono to retransmit the NWS radio stations...that is
>because they are another radio service and this is forboten! On
>the other hand, if a station under automatic control announces it
>is 12pm..this is okay(much like announcing that my lightning sensor
>went off...duck!) This isn't a retransmission of data that
>originated on another radio service, but rather from a sensor
>attached to the stations computer. This should be okay. Go
>for it.

>

Okay, as it pertains to APRS, we had a user who didn't want to retransmit the NWS bulletins, he only wanted to have the APRS net notified immediately when his WX-alert radio received an alarm. This could be done quite simply. We were also told that automobile trackers set off by burglars are forbidden. In both cases because an unusual event broadcast is triggered by a non-ham. (excuse me for being flippant) I doubt that lightning has a valid ham license.

We were read chapter and verse, that such special event triggering is a bozo-no-no. The information could however be sent in a regularly scheduled beacon or in a polled transmitter.

I could be wrong, but I see no difference in the two.

Is it me, or is there a very short collective memory in this sig?

73,

Mark Fellhauer

From sparkfel@primenet.com Tue Jun 11 21:29:40 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA26282 for <aprssig@tapr.org>; Tue, 11 Jun 1996 21:29:09 -0500 (CDT)
Received: from primenet.com (root@usr3.primenet.com [198.68.32.13]) by mailhost1.primenet.com (8.7.3/8.7.1) with ESMTP id SAA12154 for <aprssig@tapr.org>; Tue, 11 Jun 1996 18:50:08 -0700 (MST)
Received: from ip113.phx.primenet.com (ip113.phx.primenet.com [198.68.46.113]) by primenet.com (8.7.3/8.7.3) with SMTP id SAA04941; Tue, 11 Jun 1996 18:50:06 -0700 (MST)
Date: Tue, 11 Jun 1996 18:50:06 -0700 (MST)
Message-Id: <1.5.4.16.19960611185006.097744cc@mailhost.primenet.com>
X-Sender: sparkfel@mailhost.primenet.com
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org, aprssig@tapr.org
From: Mark Fellhauer <sparkfel@primenet.com>
Subject: Re: [APRSSIG:1839] Re:Re: TORNADO WARNING IS POSSIBLE

At 04:22 PM 6/11/96 -0500, Chip wrote:

>

>How about a special symbol for lightning strike. If there is an
>impending lightning strike it would key APRS to change the station symbol
>and send out immediate and frequent position reports ... this would show
>any stations in range of the digis that there was a storm. In conjunction
>with this you could have an alarm set based on either the lightning
>strike counter or the lightning strike symbol so it beeps up a storm
>(pardon the pun) at the receiving stations.

>

Again, a neat idea, but it could be construed as a special event trigger.

The only other problem I can see with this is that a large and persistent T-storm could easily overwhelm the entire APRS net if every lightning strike were noted and transmitted.

73,

Mark Fellhauer
KC7BXS

From AD4CR@aol.com Tue Jun 11 22:19:51 1996
Received: from emout07.mail.aol.com (emout07.mx.aol.com [198.81.11.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA28526 for <aprssig@tapr.org>; Tue, 11 Jun 1996 22:19:47 -0500 (CDT)
From: AD4CR@aol.com
Received: by emout07.mail.aol.com (8.6.12/8.6.12) id XAA02883 for aprssig@tapr.org; Tue, 11 Jun 1996 23:19:09 -0400
Date: Tue, 11 Jun 1996 23:19:09 -0400
Message-ID: <960611231908_554420666@emout07.mail.aol.com>
To: aprssig@tapr.org

Subject: (Bug in 76 and 76c

Hi Bob, There seems to be a bug in APRS. Was there in version 76..and also in 76c. I am using a Kam+ and we had the same problem in version 70 I think it was. It happens when someone connects to your mailbox and leaves you mail it also shows up on your read screen. Also if you go into O+C+T and talk to your tnc you get a "|A" at the beginning of your command line and also may get it anywhere when your tnc shows the command. Hope that helps

AD4CR @AOL.COM

From pce@infobahn.icubed.com Tue Jun 11 23:35:47 1996

Received: from infobahn.icubed.com ([199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA01393 for <aprssig@tapr.org>; Tue, 11 Jun 1996 23:35:33 -0500 (CDT)

Received: by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM)

id AA05742; Wed, 12 Jun 1996 00:32:03 -0400

Date: Wed, 12 Jun 1996 00:32:03 -0400 (EDT)

From: PCE Enterprises <pce@infobahn.icubed.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1836] Re: Kenwood Service

In-Reply-To: <199606112023.UAA01786@mailhost.worldnet.att.net>

Message-Id: <Pine.OSF.3.91.960612002734.30031B-100000@infobahn.icubed.com>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 11 Jun 1996, B.G. Gotshall wrote:

> >A few years ago, 73 did a "review" on the service facilities of the major rig
> >manufacturers. For Kenwood, turnaround was typically four to six months.

> I sent a Knewood 701, which was 10 years old, back to the East Coast

Remember, this was a few years ago. Certainly (hopefully?) Kenwood has done something about their horrible turnaround times by now.

From kc5ejk@onramp.net Tue Jun 11 23:45:34 1996

Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id XAA03056 for <aprssig@tapr.org>; Tue, 11 Jun 1996 23:45:32 -0500 (CDT)

Received: from [199.1.11.153] (dal53.onramp.net [199.1.11.153]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id XAA02489 for <aprssig@tapr.org>; Tue, 11 Jun 1996 23:45:23 -0500 (CDT)

Message-Id: <v02130500ade2c5c0ac50@[199.1.11.130]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Tue, 11 Jun 1996 23:45:29 -0500

To: aprssig@tapr.org

From: kc5ejk@onramp.net (Robert Winingham)

Subject: CD-ROM maps to hard drive

>>Oh... did you know that you can move the maps over you your hard disk and tell

>>PM2.0 where they are? And not carry the CDROM drive with you?

> I think this is a big asset to the many laptop users
>that do not have a portable CR-ROM.

You CAN put the Street Atlas USA maps on a hard drive BUT it is all or nothing and you will need a 3/4 Gig unit.

The new JAZ removable cartridge drives are 1.0 gig.

I decided to just add a Panasonic KXL-D742 4X CD-ROM unit to my Mac 540c. They even supply the correct direct connect SCSI cable.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From pce@infobahn.icubed.com Tue Jun 11 23:55:07 1996
Received: from infobahn.icubed.com ([199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA03471 for <aprssig@tapr.org>; Tue, 11 Jun 1996 23:55:00 -0500 (CDT)
Received: by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM) id AA15383; Wed, 12 Jun 1996 00:51:25 -0400
Date: Wed, 12 Jun 1996 00:51:25 -0400 (EDT)
From: PCE Enterprises <pce@infobahn.icubed.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1857] Re:Re: TORNADO WARNING IS POSSIBLE
In-Reply-To: <1.5.4.16.19960611185006.097744cc@mailhost.primenet.com>
Message-Id: <Pine.OSF.3.91.960612004657.30031C-1000000@infobahn.icubed.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Again, a neat idea, but it could be construed as a special event trigger.

My thought... Put all the neat features in; then let those who hold the license decide on whether (!) or not to use them.

Remember, APRS could easily wind up being used on commercial frequencies, where there is no such "frowning upon".

[FWIW - NEVER ask the FCC if something is OK. Do you think a Commissioner will risk his/her pension on what could be considered a judgement call? He says no, then it's the rule.]

From rwf@mindspring.com Wed Jun 12 00:00:41 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA03927 for <aprssig@tapr.org>; Wed, 12 Jun 1996 00:00:38 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id BAA00015 for <aprssig@tapr.org>; Wed, 12 Jun 1996 01:00:31 -0400

Date: Wed, 12 Jun 1996 01:00:31 -0400
Message-Id: <2.2.16.19960612005816.2287b742@mindspring.com>
X-Sender: rwf@mindspring.com (Unverified)
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:1838] Re: GPS-20, Any box ideas?

Somebody wrote (about the GPS-20 board):

>I put mine in a Rat Shack project box (blue plastic) it just fits w/
>standoffs...

May want to watch this. We had lots of trouble with the Motorola Oncore GPS boards being RF sensitive when left in their plastic box. The metal encased ones are great, the plastic seem to die when near other transmitters. They come back when taken to a less hostile RF environment. I realize that the unit is a different one and that Garmin's GPS is plastic too, but I just thought I'd relate my experience.

Ralph Fowler, N4NEQ
Advisor
rwf@mindspring.com or n4neq@amsat.org
Atlanta, GA USA
Web: <http://www.mindspring.com/~rwf> for APRS, ATV, Balloon, and
Ham info
My hobby is tracking Vehicles and other things using Ham Radio, GPS and
APRS. Ask me how!

From rwf@mindspring.com Wed Jun 12 00:00:44 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA03892 for <aprssig@tapr.org>; Wed, 12
Jun 1996 00:00:36 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com
with SMTP id BAA29988 for <aprssig@tapr.org>; Wed, 12 Jun 1996 01:00:28 -0400
Date: Wed, 12 Jun 1996 01:00:28 -0400
Message-Id: <2.2.16.19960612005814.2287c9cc@mindspring.com>
X-Sender: rwf@mindspring.com (Unverified)
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:1825] Re: Florida Statewide APRS Meeting

Dennis Mobley wrote:
<snip>

>Rich, as I stated in the past, I will support a well thought out plan
>with both effort and dollars.
>
>I reconize your position in this endeavor and, if needed, would
>be glad to assist.
>
>To the rest of the SIG, thank you for the indulgence and bandwidth.
>Rich and I can now move onto direct email.

With all due respect, I don't mind this discussion taking place on the SIG.
I think it is important to see how all of us (especially in large Nets) work
out working together to have a harmonious system. Sure beats some of the
goings on I have witnessed in our area. Rich/Dennis- let us know how it
goes...

Ralph

From sparkfel@primenet.com Wed Jun 12 04:03:46 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id EAA16903 for <aprssig@tapr.org>; Wed, 12
Jun 1996 04:03:42 -0500 (CDT)
Received: from primenet.com (root@usr1.primenet.com [198.68.32.11]) by
mailhost1.primenet.com (8.7.5/8.7.1) with ESMTP id CAA15329 for
<aprssig@tapr.org>; Wed, 12 Jun 1996 02:03:40 -0700 (MST)
Received: from ip154.phx.primenet.com (ip047.phx.primenet.com [198.68.46.47]) by
primenet.com (8.7.5/8.7.3) with SMTP id CAA12941; Wed, 12 Jun 1996 02:03:37 -0700
(MST)
Date: Wed, 12 Jun 1996 02:03:37 -0700 (MST)
Message-Id: <1.5.4.16.19960612020344.23efd36c@mailhost.primenet.com>
X-Sender: sparkfel@mailhost.primenet.com
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org, aprssig@tapr.org
From: Mark Fellhauer <sparkfel@primenet.com>
Subject: Re: [APRSSIG:1855] last wx installment

At 08:45 PM 6/11/96 -0500, KD4EMI@aol.com wrote:

>-----TORNADO SYSTEM-----
>-Many tornado victims never receive a warning. The first notice they get,
>especially at night, is the view of the sky they see as their roof disappears
>into the darkness. A sophisticated electronic device now offers life-saving
>technology. Dr. Henry Bass, Director of The National Center for Physical
>Acoustics, along with associates at the University of Mississippi, invested
>more than 16 years in research and development to produce the Tornado Alert
>System (TAS).
>
>A TAS unit has a remote sensor which mounts to the exterior of the building.
> The sensor receives and processes data, detecting the sound signature of a
>tornado. When a certain frequency is matched, the exterior sensor sends a
>signal to the receiver inside the building. This unit is similar in

>appearance and size to a smoke detector. A high db alarm will sound and
>provide up to 90 seconds warning for you to implement your emergency plan.
> Alert time varies with the size of the tornado. Tornadoes can move very
>quickly and 90 seconds can mean the difference between life and death or
>serious injury. This amount of notice will only be effective if you and your
>family have already planned and rehearsed actions that you would take in the
>event of a tornado.
>

Again, this sounds neat, but how effective is it? I'd hate to be the product testor. I grew up in Ohio and spent more than one occasion with my head between my knees in school because of tornado(es). They were readily heard over a mile away, even in large brick buildings and interior rooms. Once we were plunged into darkness when a tornado ripped up the power lines outside our high school and there were no emergency lights in many interior classrooms (a violation of life-safety codes). Tornadoes really do sound like freight trains...really big freight trains. I don't see how this product would give you any more advanced notice than that. Perhaps if you were sleeping or hearing impaired it might be useful. In most places I think a RS or Maxon WX-alert radio is probably the best choice, and at \$40 or less a bargain.

Another time I had the pleasure of being on an AMTRAK train bound for Chicago when a tornado ripped-up the tracks outside of Valparaiso, Indiana just ahead of us.

Twice in Arizona I've been caught in microbursts. The 1st time I was in a 12 foot kayak on Lake Pleasant. I thought I was a dead man. If the wind didn't kill me, I thought the lightning would. This microburst destroyed a nearby school!

The 2nd time I was in my convertible LeBaron (with the top down) when a microburst lead by several lightning strikes came right at me. Lightning struck a utility pole at about 51st Ave (Glendale, AZ) just as the wind hit, causing a domino effect, toppling every utility pole on the north side of Northern Ave east to about 43rd Avenue. I had just turned onto Northern when it happened and I watched the high voltage utility poles come down one by one, each making a huge shower of sparks, as they came toward me. There was nothing to do but duck and cover. Fortunately, the utility poles came down AWAY from the street, otherwise I wouldn't be typing this. To make a long story short only one car in my condo complex was crushed by a utility pole, we lost several trees in the complex, it took SRP four days to restore partial power to our neighborhood, and we made the national news. Several people in our condo complex swear it was a tornado, some swore it was a UFO or other paranormal activity (I'm not kidding about that!), but I rode it out. It was a classic microburst. I can see why these things knock aircraft out of the sky. Nothing like a little 100 mph downdraft to ruin your evening.

As a humorous aside, after it happened there were several cars at 47th Ave and Northern that had power lines come down on them. I jumped out of my car to render assistance and to try and stop cars from driving under partially downed power lines! I can not believe how many ignorant people there are

out there, as I watched several people deliberately drive their cars under power lines that were at windshield height, despite my warnings. Nothing like the thrill of wondering whether that guy dragging the power line over his roof and antenna will fry himself... Anyway I jumped out of my car with HT in hand and forgetting about the Glock holstered to my hip. I couldn't figure out why so many people, including emergency personnel, thought I was a police officer! (g) I guess a radio, a gun, and a flat-top could be a fooler.

BTW, lightning kills more people in the US every year than tornadoes and hurricanes combined, according to the NWS. I'm told the most destructive weather disturbance is "el nino." I wonder if they make a detector for that? (g)

Anyway, APRS is a useful addition to public safety. CAP uses it here in Arizona, and I'd like to see more weather related APRS stuff here. We did have one auto-wx APRS station run by Jerry Wyatt (I forget his call) who is also in the Civil Air Patrol, but I haven't seen it up lately. I just wish I had a house so I could implement a few of these things. I'm afraid to ask our Condo's Board of Directors for a rooftop antenna and wx station. They may say yes, and then I'd really be in trouble :)

73,

Mark Fellhauer
KC7BXS

From sparkfel@primenet.com Wed Jun 12 04:16:57 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id EAA17006 for <aprssig@tapr.org>; Wed, 12 Jun 1996 04:16:54 -0500 (CDT)
Received: from primenet.com (root@usr1.primenet.com [198.68.32.11]) by mailhost1.primenet.com (8.7.5/8.7.1) with ESMTP id CAA15516 for <aprssig@tapr.org>; Wed, 12 Jun 1996 02:16:51 -0700 (MST)
Received: from ip154.phx.primenet.com (ip047.phx.primenet.com [198.68.46.47]) by primenet.com (8.7.5/8.7.3) with SMTP id CAA14477; Wed, 12 Jun 1996 02:16:50 -0700 (MST)
Date: Wed, 12 Jun 1996 02:16:50 -0700 (MST)
Message-Id: <1.5.4.16.19960612021656.23efb20c@mailhost.primenet.com>
X-Sender: sparkfel@mailhost.primenet.com
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org, aprssig@tapr.org
From: Mark Fellhauer <sparkfel@primenet.com>
Subject: Re: [APRSSIG:1861] Re:Re: TORNADO WARNING IS POSSIBLE

At 12:04 AM 6/12/96 -0500, PCE Enterprises wrote:

>
>> Again, a neat idea, but it could be construed as a special event trigger.
>

>My thought... Put all the neat features in; then let those who hold the
>license decide on whether (!) or not to use them.

Agreed.

>
>Remember, APRS could easily wind up being used on commercial frequencies,
>where there is no such "frowning upon".

Agreed. I have three AR-1200 commercial TNC's. I wish that just one of the people who told me they are using them for amateur radio and amateur APRS would explain to me how to mod them for the correct mark and space tones. Two people on this SIG who promised me such info have both failed to respond to my queries since. And I bought the units based on their assurances. Thanks a bunch. Anyway, as an interesting aside, these TNC's were used in a Burger King in California as part of their drive-thru ordering system. Anyone want to buy them?

>
>[FWIW - NEVER ask the FCC if something is OK. Do you think a Commissioner
>will risk his/her pension on what could be considered a judgement call?
>He says no, then it's the rule.]
>

Agreed. I've heard about people who've learned that lesson the hard way. Better to ask for forgiveness than permission. (g)

73,

Mark Fellhauer
KC7BXS

From sdimse@bridge.net Wed Jun 12 06:47:59 1996

Received: from relay6.UU.NET (relay6.UU.NET [192.48.96.16]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id GAA21132 for <aprssig@tapr.org>; Wed, 12 Jun 1996
06:47:56 -0500 (CDT)

Received: from bridge.net by relay6.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQattv08467; Wed, 12 Jun 1996 07:47:48 -0400 (EDT)

Received: from [199.174.149.84] (dd07-084.compuserve.com [199.174.149.84]) by
bridge.net (8.7.5/8.7.3) with SMTP id HAA16327 for <aprssig@tapr.org>; Wed, 12 Jun
1996 07:45:04 -0400 (EDT)

Message-Id: <199606121145.HAA16327@bridge.net>
Subject: Re: [APRSSIG:1830] GPS-20, Any box ideas?
Date: Wed, 12 Jun 96 07:48:57 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>I received my GPS-20 yesterday. I see what the other fellow meant about the

>connector, tiny!

>

>I was wondering if anyone has any ideas about a box to put this into? The
>box would also need to have some room for the 12V -> 5V reg.

>

Most people won't have one of these laying around, but if you do, it's
perfect...

My first GPS was a Magellan 5000, the built in antenna was not removable.
To use an external antenna, you had to buy a \$300 system that included
the antenna with preamp built in, and a box that amplified the signal
further and transmitted it to a mount next to the built in antenna.
Unfortunately the high amplification factor resulted in overloading and
burnout from 440 MHz signals...there was no low pass filter in the box.
So it sat, forlorn, in my junk box...

Now for the cool part...besides having room for the GPS-20, the box
includes a 5 volt regulator with heat sink, a power LED, the circuitry to
put 5v on the antenna line and dc isolate the receiver, and a cable for
the serial port out! A perfect case for this application.

The circuitry you would use is pretty obvious. The only complex part
senses current drain from the GPS to turn on the rest of the box, I just
jumpered this out of the loop. It works great, and I don't have to worry
about the current drain of the external antenna killing my GPS-20.

Obviously not worth paying \$300 for new, but worth looking around at
marine electronic stores for dead ones, maybe even calling Magellan for
one...anyone know someone at Magellan?

73 de Steve

From sdimse@bridge.net Wed Jun 12 06:49:12 1996

Received: from relay2.UU.NET (relay2.UU.NET [192.48.96.7]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id GAA21412 for <aprssig@tapr.org>; Wed, 12 Jun 1996
06:49:08 -0500 (CDT)

Received: from bridge.net by relay2.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQattv11538; Wed, 12 Jun 1996 07:49:05 -0400 (EDT)

Received: from [199.174.149.84] (dd07-084.compuserve.com [199.174.149.84]) by
bridge.net (8.7.5/8.7.3) with SMTP id HAA16371 for <aprssig@tapr.org>; Wed, 12 Jun
1996 07:46:22 -0400 (EDT)

Message-Id: <199606121146.HAA16371@bridge.net>

Subject: Re: [APRSSIG:1835] Re: APRS/Pentium/Windows 95

Date: Wed, 12 Jun 96 07:50:16 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>Good luck Farrell...it's my considered opinion that virtually nothing
>runs successfully using Windoze 95. Spent 4 hours the other night
>configuring a modem to run under 95, which is billed as

>auto-configuring/plug 'n play. I don't think so!
>
Shuda bought a Mac!

73 de Steve K04HD

From sdimse@bridge.net Wed Jun 12 07:01:56 1996
Received: from relay6.UU.NET (relay6.UU.NET [192.48.96.16]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id HAA21532 for <aprssig@tapr.org>; Wed, 12 Jun 1996
07:01:53 -0500 (CDT)
Received: from bridge.net by relay6.UU.NET with ESMTP
 (peer crosschecked as: newworld.bridge.net [204.253.4.4])
 id QQattw09408; Wed, 12 Jun 1996 08:01:50 -0400 (EDT)
Received: from [199.174.149.84] (dd07-084.compuserve.com [199.174.149.84]) by
bridge.net (8.7.5/8.7.3) with SMTP id HAA16903 for <aprssig@tapr.org>; Wed, 12 Jun
1996 07:59:06 -0400 (EDT)
Message-Id: <199606121159.HAA16903@bridge.net>
Subject: Re: [APRSSIG:1846] Re: TORNADO WARNING IS POSSIBLE
Date: Wed, 12 Jun 96 08:03:00 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>> There is a subtle difference here...and I'm going to try to explain
>> my understanding of the rules(and how I'd apply them to write an
>> appropriate 00 card...) Anyway, you are probably all aware that it
>> is a bozo nono to retransmit the NWS radio stations..that is
>> because they are another radio service and this is forboten!
>
>See 97.113 (e) Just so the folks don't get any wrong ideas
> about what is the Rule. Read it, boil it down and see if this is
>what it says.....
>
>97.113 (e) Says that it is forboten to retransmit the Rolling Stones
>or John's Wrecker Service OR the State Police BUT it is okay to
>retransmit the NOAA Weather Service (Gov't supplied - 162Mhz)
>as an incident of normal Amateur Communications.

But the real bottom line is the FCC doesn't inforce flagrant violations
involving jamming, obscenity, and unlicensed operation. Do you really
thing they are going to split hairs on a subject like this? If they were
to send out a NAL to someone for something as trivial as this, a letter
of reply with stating why you thought it would be within the rules, an
apology, and a promise never to do it again would get you off the hook.
The perfect example is the over-zealous FCC Engineer who sent NAL's to
the BBS operators automatically passing a commercial message. Yes, there
was some angst involved, but none of them were fined or lost their
licenses.

There will always be different interpretations of the rules, that's what
we have lawyers for...of course, they write the rules and laws so obtuse
as to require their services!

I say do what you feel is within the bounds of the rules, don't allow those self-appointed lawyers among us to slow the development of APRS!

73 de Steve K04HD

From b.gotshall@worldnet.att.net Wed Jun 12 07:48:00 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA22981 for <aprssig@tapr.org>; Wed, 12 Jun 1996 07:47:57 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id MAA04973; Wed, 12 Jun 1996 12:48:15 GMT
Date: Wed, 12 Jun 1996 12:48:15 GMT
Message-Id: <199606121248.MAA04973@mailhost.worldnet.att.net>
Received: from 100.orlando-2.fl.dial-access.att.net(199.70.197.100) by mailhost.worldnet.att.net with SMTP id A4889; Wed Jun 12 12:48:13 1996
X-Sender: b.gotshall@postoffice.worldnet.att.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
Subject: Re: [APRSSIG:1851] Other events

At 01:04 AM 6/12/96 +0000, you wrote:

>I have been thinking again...How about an interface a seismograph (sp ?)
>to aprs...Interesting application..? A network of stations ??
>
>Hmmm lightning, weather, siemographs, how about those of you who live near
>Nuclear
>power plants...?

-----snip-----

Neat Ideas!!! Not to sure about Earth quakes and Nuclear destruction, but since we (you and I) live on the lightning highway of the world the lightning detector idea sounds great!!!!

The store where I work (BOAT/U.S.) sells a device called "SkyScan Lightning/Storm Detector" which (as advertised) will warn of strikes in 20-40,8-20,3-8, and 0-3 mile ranges, each marked by an appropriate LED. You can program an audible alarm for the range you want etc.

Though this might be of interest. I will activate a unit at the store (as a demo unit) and let you know how it works.

Keep up the GOOD THOUGHTS!!!

Bud (WB4LTF)

From wvolle@ix.netcom.com Wed Jun 12 08:22:43 1996

Received: from dfw-ix9.ix.netcom.com (dfw-ix9.ix.netcom.com [206.214.98.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA24308 for <aprssig@tapr.org>; Wed, 12 Jun 1996 08:22:39 -0500 (CDT)

Received: from LOCALNAME (hun-a11-01.ix.netcom.com [205.184.6.33]) by dfw-ix9.ix.netcom.com (8.6.13/8.6.12) with SMTP id GAA14278 for <aprssig@tapr.org>; Wed, 12 Jun 1996 06:22:05 -0700

Message-ID: <31BEE08F.5328@ix.netcom.com>

Date: Wed, 12 Jun 1996 08:21:51 -0700

From: William Nolle <wnolle@ix.netcom.com>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1866] Re: GPS-20, Any box ideas?

References: <199606121145.HAA16327@bridge.net>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Steve Dimse wrote:

>

> My first GPS was a Magellan 5000, the built in antenna was not removable.
> To use an external antenna, you had to buy a \$300 system that included
> the antenna with preamp built in, and a box that amplified the signal
> further and transmitted it to a mount next to the built in antenna.
> Unfortunately the high amplification factor resulted in overloading and
> burnout from 440 MHz signals...there was no low pass filter in the box.
> So it sat, forlorn, in my junk box...
> Right on Stve Hi, i have a Magellan NAV500DX and the silly looking egg type
external antenna. I now discarded that and am runng the receiver setting on
my pickup dashboard and it works just as good there. Don't expect to much
help from Magellan tough!. When i first installed the Egg antenna and run
the rg58 coax into the cab of my truck i must have pinched and shorted the
coax and burned something up in the preamp box. I called Magellan and they
stated as follows " To repair it will not cost as much as a new one
would". I didn't feel that was to good an answer so i opened the well
sealed box to set out to fix the problem. I found a burned choke and called
Magellan back to asked them for either a schematic (No way) or the value of
the part (No way at first), but after much talking he gave me the part
value, i replaced the 10 cent part and it worked ok after that. So don't
expect to much out of Magellan!!!!. By the way mine is in the junk box also
Hi..

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From wnolle@ix.netcom.com Wed Jun 12 08:29:47 1996

Received: from dfw-ix9.ix.netcom.com (dfw-ix9.ix.netcom.com [206.214.98.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA24369 for <aprssig@tapr.org>; Wed, 12 Jun 1996 08:29:42 -0500 (CDT)

Received: from LOCALNAME (hun-a11-01.ix.netcom.com [205.184.6.33]) by dfw-

ix9.ix.netcom.com (8.6.13/8.6.12) with SMTP id GAA14538 for <aprssig@tapr.org>;
Wed, 12 Jun 1996 06:29:09 -0700
Message-ID: <31BEE236.6885@ix.netcom.com>
Date: Wed, 12 Jun 1996 08:28:54 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1868] Re: TORNADO WARNING IS POSSIBLE
References: <199606121159.HAA16903@bridge.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Dimse wrote:

>
> I say do what you feel is within the bounds of the rules, don't allow
> those self-appointed lawyers among us to slow the development of APRS!
>
> 73 de Steve K04HD

Right Steve, again all those on the sig bringing up all those messages and trying to figure out if it's according to the rules. Again i say if that would be ilegal so would be beaconing all the weather station data onto aprs give it up and let's just go for it.

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From wnolle@ix.netcom.com Wed Jun 12 09:02:46 1996
Received: from dfw-ix1.ix.netcom.com (dfw-ix1.ix.netcom.com [206.214.98.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA25336 for <aprssig@tapr.org>; Wed, 12 Jun 1996 09:02:43 -0500 (CDT)
Received: from LOCALNAME (hun-a11-06.ix.netcom.com [205.184.6.38]) by dfw-ix1.ix.netcom.com (8.6.13/8.6.12) with SMTP id HAA13888 for <aprssig@tapr.org>; Wed, 12 Jun 1996 07:02:09 -0700
Message-ID: <31BEE9FB.7918@ix.netcom.com>
Date: Wed, 12 Jun 1996 09:02:03 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1869] Re: Other events
References: <199606121248.MAA04973@mailhost.worldnet.att.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

B.G. Gotshall wrote:

> The store where I work (BOAT/U.S.) sells a device called "SkyScan
> Lightning/Storm Detector"

> which (as advertised) will warn of strikes in 20-40,8-20,3-8, and 0-3 mile
> ranges, each marked by an appropriate LED. You can program an audible alarm
> for the range you want etc.
>
> Though this might be of interest. I will activate a unit at the store (as a
> demo unit) and let you know how it works.
>
> Keep up the GOOD THOUGHTS!!!
>
> Bud (WB4LTF)

Yes this is the unit i posted a message about and i also have the demo
software, looks greta but at that price i will pass Hi.

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From sproul@ap.org Wed Jun 12 09:31:04 1996
Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id JAA26497 for <aprssig@tapr.org>; Wed, 12 Jun 1996 09:31:01 -0500
(CDT)
Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4)
id KAA15375; Wed, 12 Jun 1996 10:27:26 -0400
X-Sender: sproul@165.1.6.1
Message-Id: <v03006f00ade47c678f9b@[165.1.27.20]>
In-Reply-To: <199606112236.RAA17964@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 12 Jun 1996 09:54:37 -0400
To: aprssig@tapr.org
From: Mark Sproul <sproul@ap.org>
Subject: Re: WINAPRS bugs

>The lockup people talk about . . . Seems to be related to the fact
>that there is no Map Window OPEN. I close all maps windows and at
>the next Packet RX, I get an Unhandled Execption error.
>

This is a CONFIRMED bug and has been fixed.

Until the next release, keep at least one window open.

Mark

Mark Sproul | Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |

sproul@ap.org |Work: 609-860-7120
North Brunswick, NJ |Fax: 609-860-7129
<http://msproul.rutgers.edu/>

From CRWMAC@aol.com Wed Jun 12 09:46:57 1996
Received: from emout13.mail.aol.com (emout13.mx.aol.com [198.81.11.39]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA26852 for <aprssig@tapr.org>; Wed, 12 Jun 1996 09:46:54 -0500 (CDT)
From: CRWMAC@aol.com
Received: by emout13.mail.aol.com (8.6.12/8.6.12) id KAA28204 for aprssig@tapr.org; Wed, 12 Jun 1996 10:46:20 -0400
Date: Wed, 12 Jun 1996 10:46:20 -0400
Message-ID: <960612104619_325838376@emout13.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1862] Re: GPS-20, Any box ideas?

Bob Bruninga said GPS20 was very RF tolerant...I'll find out!! The gps will be <12" from a 2watt HT. I'm using lots of shielding on the RF parts, but the gps is in plastic... it works fine on the bench w/ everything clip-corded together!

Also, if you were at Dayton, Bob had his tracker in the same Radio Shack enclosure.

73,
Mac WD8OZT

From w5rkn@amsat.org Wed Jun 12 10:09:29 1996
Received: from zoom.bga.com (root@zoom.realtime.net [205.238.128.40]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA27688 for <aprssig@tapr.org>; Wed, 12 Jun 1996 10:09:27 -0500 (CDT)
Received: from [204.251.33.2] (jake-4b.ip.realtime.net [204.251.33.2]) by zoom.bga.com (8.6.12/8.6.12) with SMTP id KAA00600; Wed, 12 Jun 1996 10:09:07 -0500
X-Sender: rparsons@mailserv.bga.com
Message-Id: <v02140b01ade48d4279a7@[204.181.160.29]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 12 Jun 1996 10:09:00 -0500
To: stanzepa@usa.nai.net (stan horzepa)
From: w5rkn@amsat.org (Ronald G. Parsons)
Subject: Re: TAPR GPS-20 help requested
Cc: aprssig@tapr.org

>Hello All,
>

>Let me preface this by saying that I am a GPS greenhorn. I've never before
>had seen one in the flesh until I received my GPS-20 from TAPR yesterday.
>Problem is that the unit I received appears to be data dead.

>

>I am very confident that the unit is wired properly and I do see +5 volts

>dc at the center pin of the antenna connector, so I know it is getting
>power, however, I get no data out of the unit. I did swap power supplies as
>the documentation suggested, but still no go.
>
>My thought is that the unit is DOA, but before I reach that drastic
>conclusion, I thought I asked the SIG for any ideas on the matter.
>
>Thanks in advance,
>
>Stan, WA1LOU
>
>stanzepa@nai.net
>

You don't say enough to be really helpful, but ...

I assume you have 5V and ground correctly applied to the "connector from Hell".

What pin are you getting data from? How are you looking at the data? What data speed? What other connections have you made to the 12 pin connector?

You should see data as soon as 5V is applied, even without an antenna.

Ron W5RKN

also:
rparsons@bga.com

From willf@rrgroup.com Wed Jun 12 10:12:33 1996
Received: from inc.net (beta.inc.net [204.95.160.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA27745 for <aprssig@tapr.org>; Wed, 12 Jun 1996 10:12:30 -0500 (CDT)
Received: from will (will.rrgroup.com [204.95.173.139]) by inc.net (8.7.5/8.7.3) with SMTP id KAA22093 for <aprssig@tapr.org>; Wed, 12 Jun 1996 10:09:29 -0500 (CDT)
Message-Id: <199606121509.KAA22093@inc.net>
Date: Wed, 12 Jun 96 10:11:22 -0700
From: Will Flor <willf@rrgroup.com>
Organization: R R Systems Group
X-Mailer: Mozilla 1.22 (Windows; I; 16bit)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: TORNADO WARNING IS POSSIBLE
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

You wrote:

From: KD4EMI@aol.com[SMTP:KD4EMI@aol.com]
Sent: Tuesday, June 11, 1996 7:15PM
To: aprssig@tapr.org

Subject: [APRSSIG:1848] Re: TORNADO WARNING IS POSSIBLE

In a message dated 96-06-11 08:38:42 EDT, you write:

> >
> >> I think we covered this before. The FCC frowns on "special event"
> >> triggering of amateur radio transmissions. One person on this sig has
> >>fully
> >> researched this in conjunction with using the NWS weather alert to signal
> >> APRS stations automatically the second the alert is received. The FCC
> says
> >> it's a no-no. BUT one could certainly
> >> include lightning strike information in one's regularly sent beacon. It
> >>may
> >> not be as good a solution, but at least it's something.
> >>

> This is incorrect...

Maybe. However...

> The FCC objected to using NWS alerts to trigger HAM
> stations..

Actually, their objection was *much* more general than that. Details below.

>This is not responding to NWS alert it is responding just like a wx
> monitor... Therefore it is totally legal

This is *certainly* incorrect, since a wx monitor does not *respond* to anything, but rather continuously monitors something and sends out periodic reports. The periodic reports from an APRS wx monitor are the same under blue skies and in a hurricane, except for the data they contain. Unlike the system you proposed, the transmissions are **not** triggered by severe wx.

A system that continuously monitors something and sends out data on its subject is a telemetry station, specifically allowed by Part 97 to be under "automatic control." A "lightning monitor" would certainly be legal, then - but that's *not* something triggered by lightning - it's something that continuously sends out lightning reports on a prearranged schedule.

The FCC does not agree that a system that monitors something, sending out nothing at all until some specific event (like lightning) happens, then sending

out data on the triggering event, constitutes "automatic operation" according to their definition. I certainly disagree with the FCC on this matter, but that *is* what their lawyers have publicly stated previously; I see no reason to believe that their position has changed. The original intent for this was, I believe, to discourage the use of ham radio for burglar alarms.

Something that is *triggered* by severe wx, rather than by a ham turning it on, is frowned on by the FCC. It may or may not be legal, but it's very different from a wx monitor - this is a wx-triggered transmission, right? Completely different.

I think you should *most certainly* keep developing this project, and at the same time submit a formal request to the FCC that they issue a ruling specifically permitting this use.

73 de KB9JTT

From steview@eng.adaptec.com Wed Jun 12 10:29:17 1996
Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA28149 for <aprssig@tapr.org>; Wed, 12 Jun 1996 10:29:14 -0500 (CDT)
Received: from eng.adaptec.com ([162.62.20.6]) by milpitas.adaptec.com (4.1/SMI-4.1)
id AA10685; Wed, 12 Jun 96 08:26:12 PDT
Received: from kona by eng.adaptec.com (4.1/SMI-4.1)
id AA29296; Wed, 12 Jun 96 08:30:51 PDT
Date: Wed, 12 Jun 96 08:30:51 PDT
From: steview@eng.adaptec.com (Steve Wilson x2388)
Message-Id: <9606121530.AA29296@eng.adaptec.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1846] Re: TORNADO WARNING IS POSSIBLE

> From aprssig@tapr.org Tue Jun 11 21:52:09 1996
> Date: Tue, 11 Jun 1996 18:50:46 -0500 (CDT)
> Reply-To: aprssig@tapr.org
> Originator: aprssig@tapr.org
> Sender: aprssig@tapr.org
> From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
> To: aprssig@tapr.org
> Subject: [APRSSIG:1846] Re: TORNADO WARNING IS POSSIBLE

> X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
> X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
> Content-Length: 1379
>
> On 11 Jun 96 at 9:55, you wrote:
>
>
> > There is a subtle difference here...and I'm going to try to explain
> > my understanding of the rules(and how I'd apply them to write an
> > appropriate 00 card...) Anyway, you are probably all aware that it
> > is a bozo nono to retransmit the NWS radio stations..that is
> > because they are another radio service and this is forbidden!
>
> See 97.113 (e) Just so the folks don't get any wrong ideas
> about what is the Rule. Read it, boil it down and see if this is
> what it says.....
>
> 97.113 (e) Says that it is forbidden to retransmit the Rolling Stones
> or John's Wrecker Service OR the State Police BUT it is okay to
> retransmit the NOAA Weather Service (Gov't supplied - 162Mhz)
> as an incident of normal Amateur Communications.

Yep... I was taught something new after the above post via private email.
No argument. The ONLY fly in the ointment is the proviso further down
in 97.113 that says that it can be a regular event, i.e. rebroadcasting
the NWS every Tuesday night on the net, or grabbing the latest weather
via a re-broadcast on the hour. See...00's are just other hams, no more
or less...we ain't perfect!

Summary...it is OKAY to rebroadcast NWS specifically in a non-regular
fashion.

>
> >On the other hand, if a station under automatic control announces it is
> > 12pm..this is okay(much like announcing that my lightning sensor
> > went off...duck!) This isn't a retransmission of data that
> > originated on another radio service, but rather from a sensor
> > attached to the stations computer. This should be okay. Go for it.
>
> That would be Telemetry. Telemetry is OK per 97.111 (b-7). . .
>
> I am NOT a Lawyer BUT it is pretty black and white. I got the rules
> from <http://www.afn.org/~gars/fcc/p97-b.html>.
>
> Whats say you try another message to the APRSSIG. This time tell it
> like it is.

You already did a fine job of that.

My whole point to the post was that I didn't think there was ANY problem
with the sensor causing the transmission of data in the first place...
The NWS aspect was meant for illustration(which I DID screw up...)
The lightning sensor idea should be just fine...calling this sensor

telemetry also makes good sense, and IS allowed. So now we return you to your normal discussions of APRS PLEASE!

I REALLY didn't mean for this to tie up the sig so heavily...Sorry folks.

73 de Steve KA6S

From cbuttsch@slonet.org Wed Jun 12 10:37:05 1996
Received: from spork.callamer.com (cbuttsch@spork.callamer.com [199.74.141.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA28549 for <aprssig@tapr.org>; Wed, 12 Jun 1996 10:36:53 -0500 (CDT)
Received: from localhost (cbuttsch@localhost) by spork.callamer.com (8.7.5/8.7.3) with SMTP id IAA06661; Wed, 12 Jun 1996 08:34:14 -0700 (PDT)
Date: Wed, 12 Jun 1996 08:34:13 -0700 (PDT)
From: Clifford Buttschardt <cbuttsch@slonet.org>
X-Sender: cbuttsch@spork.callamer.com
To: Mark Fellhauer <sparkfel@primenet.com>
cc: Bill Lake <wlake@silcom.com>, aprssig@tapr.org
Subject: Re: [APRSSIG:1864] Re: last wx installment
In-Reply-To: <1.5.4.16.19960612020344.23efd36c@mailhost.primenet.com>
Message-ID: <Pine.SOL.3.93.960612082722.4332B-100000@spork.callamer.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mark and the group. Indeed your stories are real and applicable regarding tornados and other disasters. In California of course, the great fear is earthquakes. There appears to be many preliminary warning methods some of which might be placed on APRS effectively. Last months Scientific American has a rather detailed construction article on an electromagnetic detector for such phenomenon. The Mu metal rods ARE expensive (\$70 each!) but do work. Winding 50000 turns of number 38 wire remains a task tho. Since earthquakes have a finite travel time it looks like some real contribution can be made by APRS. What do you think? Cliff Buttschardt W6HDO/K7RR

From wb8ypo@harborside.com Wed Jun 12 10:40:32 1996
Received: from harborside.com (root@harborside.com [204.214.110.225]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA28646 for <aprssig@tapr.org>; Wed, 12 Jun 1996 10:40:29 -0500 (CDT)
Received: from p00.pb0.harborside.com (p00.pb0.harborside.com [204.214.110.107]) by harborside.com (8.6.9/8.6.12) with SMTP id IAA00435; Wed, 12 Jun 1996 08:40:20 -0700
Date: Wed, 12 Jun 1996 08:40:20 -0700
Message-Id: <199606121540.IAA00435@harborside.com>
X-Sender: wb8ypo@harborside.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="====_834593446==_"
To: aprssig@tapr.org
From: Chris & Kathleen <wb8ypo@harborside.com>
Subject: Re: [APRSSIG:1414] Copy of: KPC-3 HELP

Cc: aprssig@tapr.org
X-Attachments: C:\SALMON\EUDORA\APRSSIG3;

-----_834593446==_
Content-Type: text/plain; charset="us-ascii"

At 07:44 AM 5/30/96 -0500, Robert A. WHEELER wrote:

>

>----- Forwarded Message -----

>

>From: Robert A. WHEELER, 102006,3004

>TO: APRS SIG, INTERNET:listserv@tapr.org

>DATE: 5/29/96 2:44 PM

>

>RE: Copy of: KPC-3 HELP

>

>I need help setting up my KPC-3 TNC to use with APRS. everything I do I get "

>I/O Glitch ", when I do Alt-S T and O C T ineach case I get Hyroglyphics.

>Also if the INITTAPR.TNC file need to be revised I Need to know that. I
gave up

>tring to get APRS to work on my PK-232 a year ago. Now I decided to try a
simple

>TNC, still no luck. I am using APRS 7b, and Pacterm with the TNC. I need to be

>walked through the steps if someone would be so kind. Thanks and 73. Bob

>WA40PV Hartwell, GA

>

>

Can any one tell me why I am getting an extra file in binery code,

I now have a hard drive of files from Microsoft mailers

It seems that it sends out and extra file. here is a sample,

you will find it on your c:\drive where your mailer is.

If you can let me know what this is and how to decode IT!

73 Chris wb8ypo@harborside.com

ps Bob if you see this Msg you are one of there that sent out a file!

-----_834593446==_
Content-Type: application/octet-stream; name="APRSSIG3";
x-mac-type="42494E41"; x-mac-creator="6D646F73"
Content-Transfer-Encoding: base64
Content-Disposition: attachment; filename="APRSSIG3"

eJ8+IhkLAQaQCAAEAAAAAAAAABAAEAAQeQBgAIAAAA5AQAAAAAADoAAENgAQAAgAAAAIAAgABBJAG
AAwBAAAABAAAADAAAAAMAADADAAAAACwAPDgAAAAACAf8PAQAAAD8AAAAAAAAGSsfpL6jEBmdbgDd
AQ9UAgAAAAABhcHJzc2lnQHRhcHIub3JnAFNNVFAAYXByc3NpZ0B0YXByLm9yZWAAHgACMAEAAAAAF
AAAAU0t1UUAaaaaaEaAMwAQAAABEAAAABhcHJzc2lnQHRhcHIub3JnAAAAAAMAFQwBAAAAAwD+DwYA
AAAEAAEwAQAAABMAAAANyXByc3NpZ0B0YXByLm9yZycAAAIBCzABAAAAFgAAAFNNVFA6QVBSU1NJ
R0BUQVBSLk9SRwAAAAAAMADkAAAAACwBA0gEAAAAACAfYPAQAAAAQAAAAAAAADeY4BCIAHABgAAABJ
UE0uTWljcm9zb2Z0IE1haWwuTm90ZQAxC AEgAEAMwAAAFJF0iBbQVBSU1NJRzoxNzYwXSBGbG9y
aWRhIFN0YXRld2lkZSBBUfJTIE1lZXRpbcgANQPAQWAAwAOAAAAzAcGAAoABwAGAA8AAQAAAEg
gAMADgAAAMwHBgAKAAcABAACAAEA8QABCYABACEAAAAAwNDQ3RkMzQjhEQzJDRjExQUFENjQ0NDU1
MzU0MDAwMAAHBwEDkAYA8AIAABIAAAALACMAAQAAAAAMAJgAAAAAACwApAAAAAADADYAAAAAAEAA

OQAgTGDxvFa7AR4AcAABAAAAAMwAAAFJF0iBbQVBSU1NJRzoxNzYwXSBGbG9yaWRhIFN0YXRld2lk
ZSBBUFJTIE1lZXRpbmcgAAACAXEAAQAAABYAAAAABu1a811c7/EcFwo0Rz6rWREVTVAaaaaaaeAB4M
AQAAAAUAAABTTVRQAAAAAB4AHwwBAAAAAGgAAAGp2b2lzaW5AbmVidWxhLm1zcGFjZS5jb20AAAAAD
AAYQDtGHAQMABxCtAAAAHGAIEAEAAAABIAAAASE1SSUNILFdFQVJFV0lUSF1PVUhfUKVJTK9STEF0
RE9USEVTVUdHRVNUSU90T0ZNRUXCT1VSTkVJU0dSRUFUQU5EV0VXSUXMRK9MTE9XWU9VU1BST0dS
RVNTSU5TRVRUSU5HVAAAAAACAQkQAQAAAFMBAABPAQAA5AEAAEXaRnX/aJ+P/wAKAQ8CFQKoBesC
gwBQAvIJAgBjaArAc2V0MjcGAAbDAoMyA8UCAHByQnER4nN0ZW0CgzP3AuQHEwKDNANFEzUHbQKA
/n0KgAjPCdkCgAqBDdELY0BuZzEwMxRQCwoVYVML8BHgSGkH8GkRcCzhCoUgV2UgCsAcoAPwKHRO
IHkIYCB0BJAJHKAALgCBPchnRZG8GLhZAHZAgc3VnZ4kHkHRPAiAgb2YF00x1bAbgCHBuHcEEIAnB
3mEFQB5BHPAc4mwDIAIqVSGAbwfgHVEFWBNQbwnB3wQRHeERsR9AGfAgHSAgYfR1cB6ASR+gHVIg
MAmAhSDheR2BbHAgbBHA4iAHgCBRbiHxIPMhcmR0ciUgdG8c8AWwa08hoANhI6QJ8GQuCoU3qDMn
cwqFSgDQcQpQgQqS0Q0VfDCCoUFF2EAKzAAAwaAQEAAAAAADABEQAAAAAAEAABzDgbYuIvFa7AUAA
CDDgbYuIvFa7AR4APQABAAAAABQAAAFJF0iAAAAAAo8U=
--===== _834593446== _--

From Al@w6dnt.ampr.org Wed Jun 12 11:41:25 1996
Received: from vk2xoc.ampr.org ([44.4.94.32]) by tapr.org (8.7.5/8.7.3/1.9) with
SMTP id LAA00746 for <aprssig@tapr.org>; Wed, 12 Jun 1996 11:38:23 -0500 (CDT)
Received: from w6dnt.ampr.org by vk2xoc.ampr.org (TNOS2.02pl2/U) with SMTP
id AA18012 ; Wed, 12 Jun 96 09:15:51 -0700
Received: from at.w6dnt.ampr.org by w6dnt.ampr.org with SMTP
id AA2759 ; Wed, 12 Jun 96 09:17:25 -08
Date: Wed, 12 Jun 96 09:09:30 -08
Message-Id: <200@w6dnt.ampr.org>
Sender: Al@w6dnt.ampr.org (Al Chan - W6DNT)
From: Al@w6dnt.ampr.org (Al Chan - W6DNT)
Reply-To: Al@w6dnt.ampr.org
To: aprssig%tapr.org@w6dnt.ampr.org, alchan%ix.netcom.com@w6dnt.ampr.org,
alchan@aol.com@w6dnt.ampr.org
Subject: +++ CABLE +++

Hi...

The plug, connectors, and wires that came with the GARMIN 20 are so small I
can hardly see them.

Where can I BUY a cable for it?

Where do I get the software to run it with my laptop?

Please advise. Thanks.

-al

Al@w6dnt.ampr.org

From rtucker@moocow1.ttgci.net Wed Jun 12 12:01:07 1996
Received: from insosf1.netins.net (news@insosf1.netins.net [167.142.225.5]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA01244 for <aprssig@tapr.org>; Wed, 12
Jun 1996 12:01:03 -0500 (CDT)
Received: (from news@localhost) by insosf1.netins.net id MAA25369 for
aprssig@tapr.org; Wed, 12 Jun 1996 12:00:52 -0500 (CDT)

X-Authentication-Warning: insosf1.netins.net: news set sender to
rtucker@moocow1.ttgciitn.com using -f
Received: from moocow1.ttgciitn.com (moocow1.ttgciitn.com [10.42.1.3]) by
crasher2.ttgciitn.com (8.7.5/960507.rtucker) with SMTP id LAA14735; Wed, 12 Jun
1996 11:40:52 -0500
Date: Wed, 12 Jun 1996 11:40:52 -0500
Message-Id: <199606121640.LAA14735@crasher2.ttgciitn.com>
X-Sender: rtucker@crasher2
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ryan Tucker <rtucker@moocow1.ttgciitn.com>
Subject: Re: [APRSSIG:1869] Re: Other events
Cc: aprssig@tapr.org

At 07:50 AM 6/12/96 -0500, B.G. Gotshall wrote:

>Neat Ideas!!! Not to sure about Earth quakes and Nuclear destruction, but
>since we (you and I)
>live on the lightning highway of the world the lightning detector idea
>sounds great!!!!
>
>The store where I work (BOAT/U.S.) sells a device called "SkyScan
>Lightning/Storm Detector"
>which (as advertised) will warn of strikes in 20-40,8-20,3-8, and 0-3 mile
>ranges, each marked by an appropriate LED. You can program an audible alarm
>for the range you want etc.

N0PB5 the Infinitely Idea-Endowed speaks... ;-)

I thought I'd make this one long message and save some bandwidth.

1) Lightning Detection... it would be nice to have some sort of way of
collaborating time, range, and stroke counts into the standard beacon. This
would get rid of the clutter of every single lightning strike during a
standard thunderstorm showing up on a map, causing the frequency to saturate
and APRS stations to crash with a lack of memory, and would also keep the
FCC moderately happier.

Ergo, I propose something along the lines of a new parameter doohickey on
the beacon line. It would look something like:

L000-010-014-029-048-057-082-103

The first one is 0-3 mile range strikes in the last 15 minutes. The second
is 0-3 mile range strikes in the last 1 hour. The third is 3-8 mile range
in last 15 min, fourth is 3-8 in last hour, and so forth for 8-20 and 20-40
mile range.

The indicator isn't quite in standard APRS format (adjust it accordingly
please ;-), and it's a bit long, but it could be used. It also goes along
with the standard beacon, so the FCC should like it. Maybe Zeus should get
a ham radio license ;-)

2) Internet Wormholing... when I fired up WinAPRS for the first time a week or two ago (not on-air though -- my external antenna got in a war with a tree last year and I haven't had time to fix it :-/), the first thing I thought was... "this would make a kick-bum Winsock application." :-) DOS isn't the right environment for IP networking (trust me, I've tried it), but Win95 and (believe it or not) the Macintosh are. I'm willing to work out a nice networking protocol for APRS data. Some issues include:

Authentication/Cracking prevention

Flood protection

Ability to gracefully handle losses of network connectivity

Ability to have a central dispersion point for connection information

Ability to handle point-to-point or broadcast-type links

The last 2 are what I think are neat. There could be a central server somewhere which would take position reports from Internet gateway stations, and send them off to other gateways. Maybe this would be a good time to register aprs.com and aprs.net with InterNIC? ;-)

It would be **really** nice to be able to use APRS without the metal roof getting in the way ;-)

Bob? Keith? Mark? Ideas? :-) -rt

From siggraph@dgp.toronto.edu Wed Jun 12 12:24:19 1996

Received: from explorer.dgp.toronto.edu (explorer.dgp.toronto.edu [128.100.1.129]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA02296 for <aprssig@tapr.org>; Wed, 12 Jun 1996 12:24:14 -0500 (CDT)

Received: from pc486 ([128.100.26.15]) by explorer.dgp.toronto.edu with SMTP id <144000>; Wed, 12 Jun 1996 13:22:01 -0400

Message-ID: <31BEC53A.7B35@dgp.toronto.edu>

Date: Wed, 12 Jun 1996 09:25:14 -0400

From: Greg Blair <siggraph@dgp.toronto.edu>

Reply-To: siggraph@dgp.toronto.edu

Organization: ACM Toronto SIGGRAPH Professional Chapter

X-Mailer: Mozilla 3.0b4 (Win95; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: TORNADO WARNING IS POSSIBLE

References: <199606121509.KAA22093@inc.net>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Is it not true, that those who want to, can monitor NWS transmissions and take appropriate cover as they deem necessary?

Why do we want to generate QRM as 300 APRS stations receive the same NWS warning and commence beaconing identical NWS info?

Certainly those that truly need the NWS info will be receiving it directly? (such as radio and TV stations)

Won't they also use a more reliable reception method than Amateur Radio?
(such as modem dial up links, internet, or a dedicated NWS receiver)

Do you really believe that a TV station, whose FCC license may mandate a crawl insertion with NWS bulletin info, will depend on Tom's home ham radio setup being up, operational, and updated with the NWS bulletin? Not likely!

Please remember this is AMATEUR radio. We are not a self appointed pseudo government organization. Our traffic can deal with details of an experimental nature. We are prohibited from carrying commercial traffic, whether we charge for it or not. Enjoy ham radio for what it is, not for what it isn't!

Greg, VE3DIB

From bruninga@nadm.navy.mil Wed Jun 12 12:36:17 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA02757 for <aprssig@tapr.org>; Wed, 12 Jun 1996 12:36:14 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id NAA26677; Wed, 12 Jun 1996 13:37:07 -0400
Date: Wed, 12 Jun 1996 13:37:07 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1874] Re: GPS-20, Any box ideas?
In-Reply-To: <960612104619_325838376@emout13.mail.aol.com>
Message-ID: <Pine.SUN.3.91.960612133156.21285G-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 12 Jun 1996 CRWMAC@aol.com wrote:

> Bob Bruninga said GPS20 was very RF tolerant...I'll find out!! The gps will
> be <12" from a 2watt HT...

APRSDOS REPLY COMMENT: I said that? Hummh.... No, I have no basis one way or the other. Mine works, but I have no idea how much better it would work in a metal enclosure, nor whether it is susceptible to RFI. I do know that the GPS-45 we had on the dashboard next to a 15 year old MFJ TNC and a 5 year old magellan NEVER got a fix unless we got it more than 4 feet or more from the dash. The 45 did work in the backseat! (plastic roof).

de wb4apr@amsat.org

From n00xh@alikalazam.sprintcorp.com Wed Jun 12 12:55:43 1996
Received: from alikalazam.sprintcorp.com (alikalazam.sprintcorp.com [144.230.241.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA03454 for <aprssig@tapr.org>; Wed, 12 Jun 1996 12:55:40 -0500 (CDT)
Received: from localhost by alikalazam.sprintcorp.com via SMTP (940816.SGI.8.6.9/940406.SGI.AUTO)
id MAA28861; Wed, 12 Jun 1996 12:55:30 -0500
Message-Id: <199606121755.MAA28861@alikalazam.sprintcorp.com>
To: aprssig@tapr.org
cc: n00xh@alikalazam.sprintcorp.com

Subject: Re: [APRSSIG:1830] GPS-20, Any box ideas?
In-reply-to: Your message of "Tue, 11 Jun 1996 11:05:29 CDT."
<9606111559.AA15310@gvgadg.gvg.tek.com>
Date: Wed, 12 Jun 1996 12:55:25 -0500
From: David Rush N00XH <n00xh@alikalazam.sprintcorp.com>

Randy:

>I received my GPS-20 yesterday. I see what the other fellow meant about the
>connector, tiny!
>
>I was wondering if anyone has any ideas about a box to put this into? The
>box would also need to have some room for the 12V -> 5V reg.

I used a Rad Shack box for mine. It's one with the black plastic case and aluminum lid. I chose the one that's a bit bigger than the smallest one. I used RS's 10mm standoffs to mount the GPS-20 to the alum. lid - widthwise is a near perfect fit. Lengthwise there's just a little bit of breathing room for the connector and stuff.

On the plastic box I mounted a DB9 for data in/out and power (and built an adapter cable that breaks out power and RS232. I mounted the 5V regulator inside the box, but discovered it gets pretty toasty, so I'll be adding a heat sink of some sort on the screw that goes through the plastic case holding the regulator. I also have a power lite (LED) and a 1pps LED on the case, and a BNC connector.

The depth of the box is sufficient that the coax coming out of the GPS-20 board can make a 90 deg bend without undue trauma to anything. I was able to solder the cable to the inside of the BNC, then coil the excess cable up inside the box. That way I've still got plenty of "revision length" on the cable.

Once completed, I can remove the lid w/GPS-20 and unplug the connector, thus easily freeing the GPS-20/lid from the rest of the box.

David, n00xh

From stanzepa@usa.nai.net Wed Jun 12 14:04:38 1996
Received: from usa.nai.net (usa.nai.net [204.71.21.10]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id OAA06111 for <aprssig@tapr.org>; Wed, 12 Jun 1996
14:04:36 -0500 (CDT)
Received: from [206.98.48.207] (naih1p15.nai.net [206.98.48.240]) by usa.nai.net
(8.6.12/8.6.5) with SMTP id PAA01505 for <aprssig@tapr.org>; Wed, 12 Jun 1996
15:00:25 -0400
Message-Id: <v01530500ade4c10928f1@[206.98.48.207]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 12 Jun 1996 15:03:37 -0400
To: aprssig@tapr.org
From: stanzepa@usa.nai.net (stan horzepa)
Subject: Re: [APRSSIG:1875] Re: TAPR GPS-20 help requested

>>Hello All,
>>
>>Let me preface this by saying that I am a GPS greenhorn. I've never before
>>had seen one in the flesh until I received my GPS-20 from TAPR yesterday.
>>Problem is that the unit I received appears to be data dead.
>>
>>I am very confident that the unit is wired properly and I do see +5 volts
>>dc at the center pin of the antenna connector, so I know it is getting
>>power, however, I get no data out of the unit. I did swap power supplies as
>>the documentation suggested, but still no go.
>>
>>My thought is that the unit is DOA, but before I reach that drastic
>>conclusion, I thought I asked the SIG for any ideas on the matter.
>>
>>Thanks in advance,
>>
>>Stan, WA1LOU
>>
>>stanzepa@nai.net
>>
>
>You don't say enough to be really helpful, but ...
>
>I assume you have 5V and ground correctly applied to the "connector from Hell".
>
>What pin are you getting data from?

pin 4

>How are you looking at the data?

with a dumb terminal emulator

>What data speed?

4800

>What other connections have you made to the 12 pin connector?

none

>You should see data as soon as 5V is applied, even without an antenna.

I don't know how I left the following information out of my original message. I guess I was up too late writing it... anyway when I powered up the unit for the very first time, I did see data, but then the unit stopped sending data and I have not seen any since.

>

>

>Ron W5RKN

>

>also:

>rparsons@bga.com

From Lew.Midlam@pobox.com Wed Jun 12 14:30:34 1996
Received: from perseus.peganet.com (root@perseus.peganet.com [206.102.200.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id 0AA07075 for <aprssig@tapr.org>; Wed, 12 Jun 1996 14:30:31 -0500 (CDT)
Received: from Peganet.peganet.com (peg8-ts92.peganet.com [206.102.200.194]) by perseus.peganet.com (8.6.12/8.6.9) with SMTP id PAA09404 for <aprssig@tapr.org>; Wed, 12 Jun 1996 15:35:27 -0400
Message-ID: <31BF1ACA.1349@pobox.com>
Date: Wed, 12 Jun 1996 15:30:18 -0400
From: Lew Midlam <Lew.Midlam@pobox.com>
Reply-To: Lew.Midlam@pobox.com
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1863] Re: Florida Statewide APRS Meeting
References: <2.2.16.19960612005814.2287c9cc@mindspring.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

rwf wrote:

>
> Dennis Mobley wrote:
> <snip>
>
> >Rich, as I stated in the past, I will support a well thought out plan
> >with both effort and dollars.
> >
> >I reconize your position in this endeavor and, if needed, would
> >be glad to assist.
> >
> >To the rest of the SIG, thank you for the indulgence and bandwidth.
> >Rich and I can now move onto direct email.
>
> With all due respect, I don't mind this discussion taking place on the SIG.
> I think it is important to see how all of us (especially in large Nets) work
> out working together to have a harmonious system. Sure beats some of the
> goings on I have witnessed in our area. Rich/Dennis- let us know how it
> goes...
>
> Ralph

I agree. Rich/Dennis, let's not close up and restrict this discussion before it even starts. As long as it's congenial and positive, open discussion can reap the benefits of input from the broadest base of users, and I doubt that many users of the sig will mind the bandwidth.

Lew - W7LVW - Fort Myers, Florida

From steve@muskoka.com Wed Jun 12 15:19:03 1996

Received: from gold.muskoka.com (root@gold.muskoka.com [204.101.78.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA09056 for <aprssig@tapr.org>; Wed, 12 Jun 1996 15:18:55 -0500 (CDT)
Received: from Psteve.muskoka.com (ppp17.muskoka.com [204.101.78.47]) by gold.muskoka.com (8.6.12/8.6.9) with SMTP id QAA16841 for <aprssig@tapr.org>; Wed, 12 Jun 1996 16:53:46 -0400
Message-Id: <1.5.4.32.19960612212421.006642f8@muskoka.com>
X-Sender: steve@muskoka.com (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 12 Jun 1996 16:24:21 -0500
To: aprssig@tapr.org
From: steve <steve@muskoka.com>
Subject: Tornado Warning is Possible

Hello All,

I feel that I have to jump on the bandwagon once again. In response to VE3DIB's statement, I would like to say Ham Radio plays a very important part in Severe Wx Warning. I am sure Aprs and Winaprs will be a good tool to help us out.. I am not sure about SKYWARN but I do know that our CANWARN system would not be at all possible without AMATEUR RADIO. We are the eyes of the SEVERE WX branch of ENVIRONMENT CANADA. We are the ones that operate the Canwarn nets when severe wx approaches. Look at how many repeaters we use. So you see Amateur Radio plays a very important role in severe wx and I am looking forward to using Aprs and Winaprs in this very important field.

I am waiting with eagerness to see where aprs and winaprs will take us..
Take care all and 73.....

Steve Dubois VA3HOI
CANWARN SPOTTER
APARS & WINAPRS on 2 & 6 mtr's

From alan@ernest.itg.ti.com Wed Jun 12 16:06:57 1996
Received: from dragon.ti.com (dragon.ti.com [192.94.94.61]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA10757 for <aprssig@tapr.org>; Wed, 12 Jun 1996 16:06:53 -0500 (CDT)
Received: from ernest.itg.ti.com ([128.247.93.118]) by dragon.ti.com (8.6.13/ac3i.dseg.ti.com) with SMTP id QAA13289 for <aprssig@tapr.org>; Wed, 12 Jun 1996 16:06:16 -0500
Received: by ernest.itg.ti.com (Smail3.1.28.1 #4) id m0uTx4U-00005XC; Wed, 12 Jun 96 16:03 CDT
Message-Id: <m0uTx4U-00005XC@ernest.itg.ti.com>
From: alan@ernest.itg.ti.com (Alan Edmonds)
Subject: Re: [APRSSIG:1885] Re: TAPR GPS-20 help requested
To: aprssig@tapr.org
Date: Wed, 12 Jun 1996 16:03:21 -0500 (CDT)
In-Reply-To: <v01530500ade4c10928f1@[206.98.48.207]> from "stan horzepa" at Jun 12, 96 02:17:19 pm

Organization: Texas Instruments, Inc. Plano TX
X-Mailer: ELM [version 2.4 PL21]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> >What pin are you getting data from?
>
> pin 4
>
> >How are you looking at the data?
>
> with a dumb terminal emulator
>
> >What data speed?
>
> 4800
>
> >What other connections have you made to the 12 pin connector?
>
> none

Make sure you have a ground hooked up. I had problems reading data from my Garmin 45 with just the serial out hooked up. Make sure you hook the DC ground to signal ground (pin 1?) on the RS232 cable to the terminal.

--

Alan Edmonds, KB5ZUY	Texas Instruments, Inc.
System Administrator, Composer Development	M/S 8515
Phone: +1-214-575-6427	6620 Chase Oaks Blvd.
Email: Alan.Edmonds@ti.com	Plano, TX, USA 75023

From jlawyer@mail.airmail.net Wed Jun 12 16:33:13 1996
Received: from mail.airmail.net (server-f.iadfw.net [206.66.12.40]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA11607 for <aprssig@tapr.org>; Wed, 12 Jun 1996 16:33:10 -0500 (CDT)
Received: by mail.airmail.net (/\\##/\\ Smail3.1.30.16 #30.73)
id <m0uTxWu-000FLEC@mail.airmail.net>; Wed, 12 Jun 96 16:32:44 -0500 (CDT)
Message-ID: <31BF5441.1E20@mail.airmail.net>
Date: Wed, 12 Jun 1996 16:35:29 -0700
From: Jim Lawyer <jlawyer@mail.airmail.net>
X-Mailer: Mozilla 2.01KIT (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
CC: chead@exame2.dseg.ti.com, kc5ejk@onramp.net
Subject: Re: [APRSSIG:1595] Re: DFjr
References: <199606041211.IAA19435@foo.icanect.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Carl,
Thanks for letting us know you may be coming into Dallas. If you'll let us know your schedule and where you are staying we'll try to arrange a mutually

advantageous

get together and you can share your expertise and experiences with us. We have about

35 folks in APRS and we're always happy to visit with "experts from afar".

Jim Lawyer aa5qx @ 214-205-1510 (office) or
214-423-9106 (home)

Claude Head K5DTN usually coordinates our get togethers. His office number is
214-995-5040 (chead@exame2.dseg.ti.com)

Bob is our "premier APRS rowdy" (kc5ejk@onramp.net)

From n8chb@tir.com Wed Jun 12 16:51:57 1996

Received: from sun.tir.com (sun.tir.com [205.138.41.6]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id QAA12308 for <aprssig@tapr.org>; Wed, 12 Jun 1996
16:51:46 -0500 (CDT)

Received: from n8chb.tir.com (an16liv.tir.com [205.218.84.18]) by sun.tir.com
(8.7.5/8.7) with SMTP id RAA16314 for <aprssig@tapr.org>; Wed, 12 Jun 1996
17:50:10 -0400 (EDT)

Message-ID: <31BF2DB9.36F7@tir.com>

Date: Wed, 12 Jun 1996 21:51:05 +0100

From: Roger Breckon <n8chb@tir.com>

Reply-To: n8chb@tir.com

X-Mailer: Mozilla 3.0b4Gold (Win95; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1886] Re: Florida Statewide APRS Meeting

References: <31BF1ACA.1349@pobox.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Lew Midlam wrote:

>

> rwf wrote:

> >

> > Dennis Mobley wrote:

> > <snip>

> >

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> > >with both effort and dollars.

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> before it even starts. As long as it's congenial and positive, open
> discussion can reap the benefits of input from the broadest base of
> users, and I doubt that many users of the sig will mind the bandwidth.
>
> Lew - W7LVW - Fort Myers, Florida
/////////////////////////////////
I mind!

73

N8CHB

From ku0g@sprynet.com Wed Jun 12 17:21:48 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA13475 for <aprssig@tapr.org>; Wed, 12 Jun 1996
17:21:44 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.136.9] (ad09-009.compuserve.com [199.174.136.9]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id PAA01710 for <aprssig@tapr.org>; Wed,
12 Jun 1996 15:19:40 -0700
Date: Wed, 12 Jun 1996 15:19:40 -0700
Message-Id: <199606122219.PAA01710@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1806] TORNADO WARNING IS POSSIBLE
To: aprssig@tapr.org
In-Reply-To: <960610230642_324403809@emout17.mail.aol.com>
X-Mailer: SPRY Mail Version: 04.00.06.21

Hey! Here's another great idea! Could the 4 LEDs be worked in some manner as
to trigger a special alarm/switch on the MIM to force a WX Alarm like we already
have written into APRS for the remote WX sites? I can picture having one of
these little babies at all of our weather sites here and being able to trigger a
lightning alarm for the NWS to pick up on.....

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
Email: ku0g@sprynet.com

From n2czf@gate.net Wed Jun 12 18:28:50 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id SAA15932 for <aprssig@tapr.org>; Wed, 12 Jun 1996
18:28:46 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.176 (wpbf12-49.gate.net [199.227.125.176]) by
osceola.gate.net (8.6.12/8.6.12) with SMTP id TAA22974 for <aprssig@tapr.org>;

Wed, 12 Jun 1996 19:28:27 -0400
Date: Wed, 12 Jun 1996 19:28:27 -0400
Message-Id: <199606122328.TAA22974@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1886] Re: Florida Statewide APRS Meeting
To: aprssig@tapr.org
In-Reply-To: <31BF1ACA.1349@pobox.com>
X-Mailer: SPRY Mail Version: 04.00.06.17

Rest assured Lew, we will not close the discussion up totally on the sig but I do not want to go overboard either. There has been talk of starting a sig or some other medium like a sig just for Florida users or anyone else interested in our APRS area but it is difficult. We need a provider who would donate the space and services for our effort to keep everyone who is interested in touch. We do not want to limit anyone to join but I also do not want to bombard mailboxes across the world with news of interest to Florida only.

For the time being I will post messages RE:Florida on the sig and request anyone with ideas or comments to reply. Just use good judgement if it should go to the sig or the original sender on a case by case basis. Some of my personal replies will go on for 2-3 pages and I will not subject everyone on the sig to that, I do personal replies and if warranted I will CC: anyone else that may be interested.

REQUEST: Anyone have a contact in Florida in the Internet business that could possibly support us with a little space for a Web page and a sig or newsgroup? Please let me know, I think we could return the favor with some good publicity.

On Wed, 12 Jun 1996, Lew Midlam <Lew.Midlam@pobox.com> wrote:

>rwf wrote:

>>

>> Dennis Mobley wrote:

>> <snip>

>>

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>> >with both effort and dollars.

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>> Ralph

>

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>discussion can reap the benefits of input from the broadest base of
>users, and I doubt that many users of the sig will mind the bandwidth.
>
>Lew - W7LVW - Fort Myers, Florida
>
>
>
73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've
forgotten this before. Steven Wright

From bruninga@nadm.navy.mil Wed Jun 12 18:28:54 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA15939 for <aprssig@tapr.org>; Wed, 12
Jun 1996 18:28:50 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
TAA25823; Wed, 12 Jun 1996 19:29:40 -0400
Date: Wed, 12 Jun 1996 19:29:40 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: APRS SAREX
Message-ID: <Pine.SUN.3.91.960612192549.25766A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is a preliminary announcement. SAREX will be activated for APRtrak
type contacts on the STS-78 mission scheduled to launch on 20 June
(next 10 days!)

I will put out details when I get em done...

This is a 39 degree mission, so northern states should get good passes
too, AND its a long duration mission!

Most passes will be daytime

de wb4apr@amsat.org

From cdavidso@hemisphere.neocomm.net Wed Jun 12 19:17:43 1996
Received: from hemisphere.neocomm.net (root@hemisphere.neocomm.net
[205.160.234.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA17722 for
<aprssig@tapr.org>; Wed, 12 Jun 1996 19:17:40 -0500 (CDT)
Received: from Axton (ppp40.neocomm.net [205.160.234.40]) by
hemisphere.neocomm.net (8.6.11/8.6.9) with SMTP id UAA29230 for
<aprssig@tapr.org>; Wed, 12 Jun 1996 20:17:49 -0400

Message-Id: <199606130017.UAA29230@hemisphere.neocomm.net>
Comments: Authenticated sender is <cdavidso@hemisphere.neocomm.net>
From: "Charles W. Davidson" <cdavidso@hemisphere.neocomm.net>
Organization: Axton Acme
To: aprssig@tapr.org
Date: Wed, 12 Jun 1996 20:13:19 +0000
Subject: my GPS mobile shows up as a dot?
Reply-to: cdavidso@hemisphere.neocomm.net
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.01)

I can't seem to figure out why my -14 mobile shows up as a DOT instead of a vehicle. I am shure its in them never ending docs, but every time I read them things I find something new and exciting that I did'nt see before and get side tracked.

cdavidso@neocomm.net
<http://www.neocomm.net/~cdavidso/>
WB4PAN@WB4Q0J.VA.USA.NOAM

From wnolle@ix.netcom.com Wed Jun 12 19:32:07 1996
Received: from dfw-ix11.ix.netcom.com (dfw-ix11.ix.netcom.com [206.214.98.11]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA18191 for <aprssig@tapr.org>; Wed, 12 Jun 1996 19:32:03 -0500 (CDT)
Received: from LOCALNAME (hun-a11-17.ix.netcom.com [205.184.6.49]) by dfw-ix11.ix.netcom.com (8.6.13/8.6.12) with SMTP id RAA11678 for <aprssig@tapr.org>; Wed, 12 Jun 1996 17:31:18 -0700
Message-ID: <31BF7D70.1437@ix.netcom.com>
Date: Wed, 12 Jun 1996 19:31:12 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1882] Re: TORNADO WARNING IS POSSIBLE
References: <31BEC53A.7B35@dgps.toronto.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greg Blair wrote:

>
> Please remember this is AMATEUR radio. We are not a self appointed pseudo
> government organization. Our traffic can deal with details of an experimental
> nature. We are prohibited from carrying commercial traffic, whether we charge
> for it or not. Enjoy ham radio for what it is, not for what it isn't!
>
> Greg, VE3DIB-----

I could write a lengthy reply to this message, but i won't except that i'm in a heavy weather area (Tornado belt) and i have seen it many times that those great TV stations were knocked off the air by mass power outages. It would be great to see pull up my APRS screen and see some indication of what's going on, since many hams including myself do have portable setups in cases such as that.

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From KD4EMI@aol.com Wed Jun 12 19:47:23 1996
Received: from emout08.mail.aol.com (emout08.mx.aol.com [198.81.11.23]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA18609 for <APRSSIG@tapr.org>; Wed, 12 Jun 1996 19:47:20 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout08.mail.aol.com (8.6.12/8.6.12) id UAA14957 for APRSSIG@tapr.org; Wed, 12 Jun 1996 20:46:56 -0400
Date: Wed, 12 Jun 1996 20:46:56 -0400
Message-ID: <960612204655_326406801@emout08.mail.aol.com>
To: APRSSIG@tapr.org
Subject: Wow...

I freaked out when I watched my computer d/l all the messages about tornado's, earthquakes, radiation and legal issues.. I can't believe the interest this has recieved.

I just wanted to thank everyone for their support. I wanted to say publically that this effort (lightning and siesmograph) interfacing will recieve my highest priority. As the poster at Apple computer stated "REAL ARTISTS DELIVER PRODUCT" or something like that.

I'll get this thing working , and will let everyone know about it.

BTW the lightning sensor will not be set up to trigger after every strike, cause this would completely saturate the vhf net. I will set it up to trip at a certain level. (What level Im not sure yet..that will be determined)

Once I get the NEW one built and working will start hiting up people to test them and start hitting up on BOB B to help us out on the best way to do this..

Will keep everyone posted.
Mike
KD4EMI@AOL.COM

From KD4EMI@aol.com Wed Jun 12 19:47:31 1996
Received: from emout12.mail.aol.com (emout12.mx.aol.com [198.81.11.38]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA18643 for <aprssig@tapr.org>; Wed, 12 Jun 1996 19:47:27 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout12.mail.aol.com (8.6.12/8.6.12) id UAA26041 for aprssig@tapr.org; Wed, 12 Jun 1996 20:47:11 -0400
Date: Wed, 12 Jun 1996 20:47:11 -0400
Message-ID: <960612204711_326407044@emout12.mail.aol.com>
To: aprssig@tapr.org

Subject: Re: [APRSSIG:1891] Re: TORNADO WARNING IS POSSIBLE

In a message dated 96-06-12 19:36:24 EDT, you write:

>
>Hey! Here's another great idea! Could the 4 LEDs be worked in some manner
>as
>to trigger a special alarm/switch on the MIM to force a WX Alarm like we
>already
>have written into APRS for the remote WX sites? I can picture having one of

>these little babies at all of our weather sites here and being able to
>trigger a
>lightning alarm for the NWS to pick up on.....
>
>

I dont know anything about the MIM...!!

Mike
KD4EMI@AOL.COM

From ldajz@epix.net Wed Jun 12 20:16:34 1996
Received: from epix.net (root@grape.epix.net [199.224.64.22]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id UAA19896 for <aprssig@tapr.org>; Wed, 12 Jun 1996
20:15:58 -0500 (CDT)
Received: from clsm-65ppp42.epix.net (clsm-65ppp42.epix.net [199.224.65.42]) by
epix.net (8.7.5/8.7.5) with SMTP id VAA18612 for <aprssig@tapr.org>; Wed, 12 Jun
1996 21:09:11 -0400 (EDT)
Message-ID: <31BF95B9.7758@epix.net>
Date: Wed, 12 Jun 1996 21:14:49 -0700
From: "Al Zelna, N3KAE" <ldajz@epix.net>
X-Mailer: Mozilla 2.0 (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: VHF APRS in WPA, WNY, ENY, NNY
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy folks...

I hope everyone is gearing up for FD. Members of the Scranton Pocono
Amateur Radio Klub will once again participate in FD. This year we will
be using APRS to compliment our VHF/Packet station.

I am curious if there is anyone reading this message who can confirm
activity in the above mentioned areas ON 145.790 MHz. Locally, around
Scranton, PA, lives K3CSG-5 who will be receiving a Comet GP-6 to replace
the 4 element beam that is in use. Hams 'round here are able to enjoy
APRS stations from SEPA, NNJ, SNJ, CT, and NLI, but everything else seems
like a black hole.

Please email info back DIRECT and NOT TO THE SIG.

73 de A1, N3KAE

From nshorton@ALPHA.NSULA.EDU Wed Jun 12 20:28:03 1996
Received: from alpha.nsula.edu (alpha.nsula.edu [192.102.223.2]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id UAA20240 for <aprssig@tapr.org>; Wed, 12 Jun 1996
20:27:56 -0500 (CDT)
Received: from ALPHA.NSULA.EDU by ALPHA.NSULA.EDU (PMDF V5.0-6 #15477)
id <01I5U1GYM6I0003H7Z@ALPHA.NSULA.EDU>; Wed, 12 Jun 1996 20:26:56 -0600 (CST)
Date: Wed, 12 Jun 1996 20:26:56 -0600 (CST)
From: Eddie Horton <nshorton@ALPHA.NSULA.EDU>
Subject: Re: Call For Tapes (Field Day)
In-reply-to: <199606101627.AA04391@tigger.jvnc.net>
To: "Ronald C. Barnes" <ka1kjz@tigger.jvnc.net>
Cc: aprssig@tapr.org, fieldorg-1@netcom.com, ham-tech@netcom.com,
n1hax@aol.com, n1qqv@aol.com, wk1s@aol.com, johngv@ns.iconn.net,
bblewett@straycat.com, ralph.celone@dowut.com, pqb@uconnect.net,
sbicycle@connix.com, walpyu@aol.com, ddbb23a@prodigy.com,
dkostrey@iconn.net, 0005164217@mcimail.com
Message-id: <Pine.PMDF.3.91.960612202539.162287B-1000000@ALPHA.NSULA.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII
Content-transfer-encoding: 7BIT

This is a very good idea. If it is at all possible I would like to get a
copy of this to show at our field day. I don't know if we have anything
on file or not, but I will look and will send it in.

Thanks,
Eddie Horton, KC5FPK
Vice President, Northwestern State University Amateur Radio Club

On Mon, 10 Jun 1996, Ronald C. Barnes wrote:

> While in the process of preparing for my club's Field Day, I realized
> something. I plan to tape as much as possible of our FD effort and make it
> into a few minute long presentation tape. Why not do a similar tape on a
> national scope?
>
> So here goes, I am looking for a copy of your club's FD raw footage,
> preferably this year. I can accept most any tape standard, broadcast,
> professional or consumer. I would prefer it on one of the broadcast
> formats, but I know how likely that is. Here is what I can take...
>
> Digital Betacam
> D2
> Betacam SP (preferably BVW w/ ch3&4 audio)
> One Inch
> Hi-8
> Regular 8
> SVHS
> VHS (sp mode only please)

>
> M-II (if you must, I can find a deck)
> Stills or slides
>
> What I wont take...
>
> Quadruplex
> Film (any size)
> Consumer Beta
>
>
> If you have any tape you are willing to let me have, reply via email and I
> will send you the shipping particulars. And please spread this call for
> tapes around as much as you can.
>
> Thanks...
>
> Ron KA1KJZ
> ARRL CT Section Technical Coordinator
>
> --
> *****
> ** Ronald C. Barnes KA1KJZ Engineering Tech, Group W Satellite **
> ** 1591 W. Broad Street ARRL CT Section Technical Coord. **
> ** Stratford, CT 06497 Member, Soc. Broadcast Engineers **
> ** **
> ** The preceding are my opinions, mine, mine, mine! **
> ** Any attempt to say otherwise will result in a hearty laugh **
> *****
>
>

Eddie Horton
Telecommunications Research Projects
Division of Business / Division of Education
Northwestern State University

(318) 357-6579 Office (318) 356-2056 Pager
(318) 357-5990 Fax (318) 994-2919 Data/AltFax

Finger NSHORTON for office hours.

Web Page : <http://www.nsula.edu/~nshorton>

From fehner@cts.com Wed Jun 12 20:44:20 1996
Received: from mailhub.cts.com (mailhub.cts.com [192.188.72.25]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id UAA20924 for <aprssig@tapr.org>; Wed, 12 Jun 1996
20:44:11 -0500 (CDT)
Received: from fehnercom.cts.com (really [198.68.171.229]) by mailhub.cts.com
via smail with smtp

id <m0uU1S5-000V5jC@mailhub.cts.com>
for <aprssig@tapr.org>; Wed, 12 Jun 96 18:44:01 -0700 (PDT)
(Smail-3.1.92 1996-Mar-19 #3 built 1996-Apr-21)
Message-Id: <2.2.32.19960613014930.0069cd60@mail.cts.com>
X-Sender: fehner@mail.cts.com (Unverified)
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="=====_834655770==_"
Date: Wed, 12 Jun 1996 18:49:30 -0700
To: aprssig@tapr.org
From: Barbara Fehner <fehner@cts.com>
Subject: Re: [APRSSIG:1763] Re: HSP bug and next APRS
X-Attachments: D:\Documents\datum list.html;

--=====_834655770==_
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

At 06:06 PM 6/9/96 -0500, you wrote:
>OK, but what is the conversion algorithm? for the single point ORIGIN.
> I know we discussed all this, but did we get it down to a
>single equation...?
>
>de wb4apr@amsat.org
>

OK Bob, I spent 3 hours doing a net search today and here is the
information. You can walk over to the Academy library and get the DMA TR
(technical report) 8350.2 and 8358.2. Its a 40 mile drive to a technical
library for me.

ABRIDGED MOLODENSKY FORMULAE
CONVERSION FROM AGD66 OR AGD84 TO WGS84

Reference: "Department of Defense World Geodetic System 1984
----- Its definition and relationship with local geodetic systems"
DMA Technical Report 8350.2, 30 September 1987

INTRODUCTION

Limited tests have shown that this method of conversion, when used with
the DMA supplied parameters, may give a latitude/longitude result with
an accuracy of the order of 5 to 10 metres, and a transformed height
with an accuracy of about 10 to 20 metres. The formulae transform
the ellipsoidal height - if the ANS N value is neglected, an additional
error of the order of 20 metres may be introduced.

More thorough testing is required to verify these accuracy estimates.

DEFINITIONS:

DLAT correction to AGD latitude to give WGS84 latitude (secs)
DLON correction to AGD longitude to give WGS84 longitude (secs)
DHT correction to ANS ellipsoidal height to give WGS84 ellipsoidal
 height (m)

DX origin shift along the X axis (m)
DY origin shift along the Y axis (m)
DZ origin shift along the Z axis (m)
A AGD ellipsoid (ANS) semi-major axis (m)
F AGD ellipsoid (ANS) flattening
DA Change in ellipsoid semi-major axis (ANS to WGS84) (m)
DF Change in ellipsoid flattening (ANS to WGS84)

The Australian National Spheroid (ANS) is the best fitting
ellipsoid adopted for use with the Australian Geodetic Datum (AGD)

N Value Is the separation, along the plumb line, between the ellipsoid and
the geoid. For the ANS, as used with the AGD, this N value
reaches a maximum value of about 20 metres.

E2 AGD ellipsoid (ANS) first eccentricity
RN Radius of curvature in the prime vertical (m)
RM Radius of curvature in the meridian (m)

LAT AGD latitude (south negative)
LON AGD longitude (east positive)

Symbols

* multiply
** raise to the power of (e.g. 3**2 = 3 squared = 9)
/ divide

PARAMETERS (AGD to WGS84):

	AGD66 ^^^^^	AGD84 ^^^^^
A	6378160 m	6378160 m
1/F	298.25	298.25
DX	-133	-134
DY	-48	-48
DZ	148	149
DA	-23	-23
DF	-0.000000081204	-0.000000081204

FORMULAE:

E2 = 2*F - F*F

```

RN      = A / (1 -E2 * SIN(LAT)**2)**0.5

RM      = A(1 -E2) / (1 - E2*(SIN(LAT))**2)**1.5

DLAT    = (-DX * SIN(LAT) * COS(LON) - DY * SIN(LAT) * SIN(LON)
           + DZ * COS(LAT) + (A*DF + F*DA) * SIN(2*LAT)) / (RM * SIN(1 SECOND))

DLON    = (-DX * SIN(LON) + DY * COS(LON)) / (RN * COS(LAT) * SIN(1 SECOND))

DHT      = DX * COS(LAT) * COS(LON) + DY * COS(LAT) * SIN(LON)
           + DZ * SIN(LAT) + (A * DF + F * DA) * (SIN(LAT))**2 - DA

LATITUDE (WGS84)  = LATITUDE(AGD) + DLAT

LONGITUDE (WGS84) = LONGITUDE(AGD) + DLON

ELLIPSOIDAL HEIGHT(ANS) = MSL HT + N VALUE(ANS)

ELLIPSOIDAL HT (WGS84) = ELLIPSOIDAL HEIGHT (ANS) + DHT

```

Substitute the NAD parameters for the AGD parameters.
 USE THE MATH COPROCESSOR AND DOUBLE PRECISION!

>From madtran datum.dat: "DoD World Geodetic System 1984, DMA TR 8350.2"
 "Second Edition, 1 SEP 91, Updated 30 AUG 93"

Datum,index,delta x,delta y,delta z,remarks,(don't know what these are)

```

"North American 1927",5,-5,135,172,"Alaska (Excluding Aleutian Ids)",5,9,5,47
"North American 1927",5,-2,152,149,"Alaska (Aleutian Ids East of
180°W)",6,8,10,6
"North American 1927",5,2,204,105,"Alaska (Aleutian Ids West of
180°W)",10,10,10,5
"North American 1927",5,-4,154,178,"Bahamas (Except San Salvador Id)",5,3,5,11
"North American 1927",5,1,140,165,"Bahamas (San Salvador Island)",25,25,25,1
"North American 1927",5,-7,162,188,"Canada (Alberta, British Columbia)",8,8,6,25
"North American 1927",5,-9,157,184,"Canada (Manitoba, Ontario)",9,5,5,25
"North American 1927",5,-22,160,190,"Canada (New Brunswick)",6,6,3,37
"North American 1927",5,-22,160,190," Newfoundland, Nova Scotia,
Quebec)",6,6,3,37
"North American 1927",5,4,159,188,"Canada (Northwest Territories)",5,5,3,17
"North American 1927",5,4,159,188," Saskatchewan)",5,5,3,17
"North American 1927",5,-7,139,181,"Canada (Yukon)",5,8,3,8
"North American 1927",5,0,125,201,"Canal Zone",20,20,20,3
"North American 1927",5,-9,152,178,"Cuba",25,25,25,1
"North American 1927",5,11,114,195,"Greenland (Hayes Peninsula)",25,25,25,2
"North American 1927",5,-3,142,183,"MEAN FOR Antigua, Barbados",3,9,12,15
"North American 1927",5,-3,142,183," Barbuda, Caicos Islands, Cuba",3,9,12,15
"North American 1927",5,-3,142,183," Dominican Republic, Grand
Cayman",3,9,12,15

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"North American 1927",5,-3,142,183," Jamaica, Turks Islands",3,9,12,15
"North American 1927",5,0,125,194,"MEAN FOR Belize, Costa Rica",8,3,5,19
"North American 1927",5,0,125,194," El Salvador, Guatemala, Honduras",8,3,5,19
"North American 1927",5,0,125,194," Nicaragua",8,3,5,19
"North American 1927",5,-10,158,187,"MEAN FOR Canada",15,11,6,112
"North American 1927",5,-8,160,176,"MEAN FOR CONUS",5,5,6,405
"North American 1927",5,-9,161,179,"MEAN FOR CONUS (East of
Mississippi",5,5,8,129
"North American 1927",5,-9,161,179," River Including Louisiana",5,5,8,129
"North American 1927",5,-9,161,179," Missouri, Minnesota)",5,5,8,129
"North American 1927",5,-8,159,175,"MEAN FOR CONUS (West of
Mississippi",5,3,3,276
"North American 1927",5,-8,159,175," River Excluding Louisiana",5,3,3,276
"North American 1927",5,-8,159,175," Minnisota, Missouri)",5,3,3,276
"North American 1927",5,-12,130,190,"Mexico",8,6,6,22

Ellipsoid data

ELLIPSOID, INDEX, A, 1/F

Clarke 1866",5,6378206.4,294.9786982
WGS 84",21,6378137,298.257223563

Delta A= A(WGS84)-A(Clarke 1866)=-69.4
Delta F= F(WGS84)-F(Clarke 1866)= -0.37264639

There you go Bob. I can't spend anymore time with this so good luck.

For anyone interested, the following source should help.

ANNOUNCEMENT

=====

The following announcement is excerpt from a DMA catalog,
dated October, 1992:

WORLD GEODETIC SYSTEM 1984 (WGS 84)

A revised edition of the DMA Technical Report 8350.2 WGS 84 is now available from DMA. DoD users should refer to the General Information, Ordering Procedures, and Crisis Support Section of this Bulletin for instructions on how to receive this report.

The DoD World Geodetic System 1984 (WGS 84) - Its Definitions and Relationships with Local Geodetic Systems (DMA Technical Report 8350.2), Edition 2, dated 1 September 1991, defines the WGS 84 and is now available. It provides the most accurate geodetic and gravitational data and local datum transformation constants and formulas for transforming different datums into WGS 84. Included with the report is the DMA Mapping Datum TRANSformation (MADTRAN) software program

for datum transformation and coordinate conversions. Provided on a 5 1/4 inch floppy disc (double density), the MADTRAN program is IBM PC compatible. It allows input from geodetic, Universal Transverse Mercator (UTM), or the Military Grid Reference System (MGRS) coordinates. Over 100 datums are available for transformation to or from WGS 84. Output is automatically presented as geodetic, UTM, and MGRS coordinates. The report is normally used by systems developers and by persons involved in large quantities of datum transformations and coordinate conversions. The public sale price is \$30.00 (available from U.S. Geological Survey).

The DMA Stock Number is: DMATR83502WGS84.

HOW TO ORDER

=====

This report is available to the public, through the U.S. Geological Survey. (U.S. government procurements should be addressed to the Defense Mapping Agency directly.) Orders must be written and prepaid. To order, write to:

U.S. Geological Survey
Box 25286
Denver Federal Center
Denver, CO 80225

and ask for World Geodetic System 1984,
stock number DMATR83502WGS84
price \$30
(no charge for shipping in the U.S.;
outside the U.S. add 25% for first class postage)

For further information, call the U.S. Geological Survey
at (303) 236-7477 and ask for customer service.

Barbara KK6IB
E-Mail: fehner@cts.com

--=====834655770==_
Content-Type: text/plain; charset="us-ascii"

<HTML>
<TITLE>Geodetic Datum List</TITLE>
<H1>Geodetic Datum List</H1>
<I><ADDRESS>Peter H. Dana</ADDRESS></I><P>
<I><ADDRESS>Department of Geography, University of Texas at Austin</ADDRESS></I><P>
<I><ADDRESS>Internet: pdana@mail.utexas.edu</ADDRESS></I><P>
<I><ADDRESS>11/17/95</ADDRESS></I><P>
<H2>Datum, Ellipsoid, Delta a, Delta f (* 10^4), Delta X, Delta Y, Delta Z.</H2>

<H2>Delta parameters are with respect to WGS-84 parameters for conversion from the specified datum to WGS-84.</H2>

<H2>Parameter Delta a is the WGS-84 Equatorial radius minus the specified datum Equatorial radius in meters.</H2>

<H2>Parameter Delta f is the WGS-84 flattening minus the specified datum flattening multiplied by 10⁴.</H2>

<H2>Delta X, Y, Z parameters are WGS-84 X, Y, Z parameters minus the specified datum X, Y, Z in meters.</H2>

<H2>The Delta X, Y, and Z parameters are added to the specified datum X, Y, Z to convert to WGS-84.</H2>

<H2>The source for most of these parameters is Defense Mapping Agency Technical Report, Department of Defense World Geodetic System 1984, DMA TR 8350.2 Second Edition, 1 September 1991.</H2>

WGS-84 Equatorial Radius (a) = 6378137.0

WGS-84 Flattening (f) = 1/298.257223563

<P>

Adindan, Clarke_1880, -112.145, -0.54750714, -166, -15, +204<P>

AFG, Krassovsky, -108.0, 0.00480795, -43, -163, +45<P>

Ain_El_Abd_1970, International, -251.0, -0.14192702, -150, -251, -2<P>

Alaska_(NAD-27), Clarke_1866, -69.4, -0.37264639, -5, +135, +172<P>

Alaska/Canada_NAD-27, Clarke_1866, -69.4, -0.37264639, -9, +151, +185<P>

Anna_1_Astro_1965, Australian_National, -23.0, -0.00081204, -491, -22, +435<P>

ARC-1950_mean, Clarke_1880, -112.145, -0.54750714, -143, -90, -294<P>

ARC-1960_mean, Clarke_1880, -112.145, -0.54750714, -160, -8, -300<P>

Ascension_Island_'58, International, -251.0, -0.14192702, -207, +107, +52<P>

Astro_B4_Sor.Atoll, International, -251.0, -0.14192702, +114, -116, -333<P>

Astro_Beacon_"E", International, -251.0, -0.14192702, +145, +75, -272<P>

Astro_Pos_71/4, International, -251.0, -0.14192702, -320, +550, -494<P>

Astronomic_Stn._'52, International, -251.0, -0.14192702, +124, -234, -25<P>

Australian_Geodetic_1984, Australian_National, -23.0, -0.00081204, -134, -48, +149<P>

Bahamas_(NAD-27), Clarke_1866, -69.4, -0.37264639, -4, +154, +178<P>

Bellevue_(IGN), International, -251.0, -0.14192702, -127, -769, +472<P>

Bermuda_1957, Clarke_1866, -69.4, -0.37264639, -73, +213, +296<P>

Bogota_Observatory, International, -251.0, -0.14192702, +307, +304, -318<P>

Bukit_Rimpah, Bessel_1841, 739.845, 0.10037483, -384, +664, -48<P>

Camp_Area_Astro, International, -251.0, -0.14192702, -104, -129, +239<P>

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Carthage, Clarke_1880, -112.145, -0.54750714, -263, +6, +431<P>

Central_America_(NAD27), Clarke_1866, -69.4, -0.37264639, 0, +125, +194<P>

Chatham_1971, International, -251.0, -0.14192702, +175, -38, +113<P>

Chua_Astro, International, -251.0, -0.14192702, -134, +229, -29<P>

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Gandajika_Base, International, -251.0, -0.14192702, -133, -321, +50<P>
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Herat_North, International, -251.0, -0.14192702, -333, -222, +114<P>
Hjorsey_1955, International, -251.0, -0.14192702, -73, +46, -86<P>
Hong_Kong_1963, International, -251.0, -0.14192702, -156, -271, -189<P>
Hu-Tzu-Shan, International, -251.0, -0.14192702, -634, -549, -201<P>
Indian, Everest, 860.655, 0.28361368, +289, +734, +257<P>
Iran, International, -251.0, -0.14192702, -117, -132, -164<P>
Ireland_1965, Modified_Airy, 796.811, 0.11960023, +506, -122, +611<P>
ISTS_073_Astro_'69, International, -251.0, -0.14192702, +208, -435, -229<P>
Johnston_Island_'61, International, -251.0, -0.14192702, +191, -77, -204<P>
Kandawala, Everest, 860.655, 0.28361368, -97, +787, +86<P>
Kerguelen_Island, International, -251.0, -0.14192702, +145, -187, +103<P>
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Luzon, Clarke_1866, -69.4, -0.37264639, -133, -77, -51<P>
Mahe_1971, Clarke_1880, -112.145, -0.54750714, +41, -220, -134<P>
Marco_Astro, International, -251.0, -0.14192702, -289, -124, +60<P>
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Old_Egyptian, Helmert_1906, -63.0, 0.00480795, -130, +110, -13<P>
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Provisional_South_American_1956_mean, International, -251.0, -0.14192702, -288,
+175, -376<P>
Provisional_South_Chilean_1963, International, -251.0, -0.14192702, +16, +196,
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Puerto_Rico, Clarke_1866, -69.4, -0.37264639, +11, +72, -101<P>
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Rome_1940, International, -251.0, -0.14192702, -225, -65, +9<P>
S.E.Asia_(Indian), Everest, 860.655, 0.28361368, +173, +750, +264<P>
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Santo_(DOS), International, -251.0, -0.14192702, +170, +42, +84<P>
Sapper_Hill_'43, International, -251.0, -0.14192702, -355, +16, +74<P>
Schwarzeck, Bessel_1841_(Namibia), 653.135, 0.10037483, +616, +97, -251<P>
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Southeast_Base, International, -251.0, -0.14192702, -499, -249, +314<P>
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Tananarive_Observatory_'25, International, -251.0, -0.14192702, -189, -242, -91<P>
Thai/Viet_(Indian), Everest, 860.655, 0.28361368, +214, +836, +303<P>
Timbalai_1948, Everest, 860.655, 0.28361368, -689, +691, -45<P>
Tokyo_mean, Bessel_1841, 739.845, 0.10037483, -128, +481, +664<P>
Tristan_Astro_1968, International, -251.0, -0.14192702, -632, +438, -609<P>
Unites_Arab_Emirates_(Nahrwan), Clarke_1880, -112.145, -0.54750714, -249, -156,
+381<P>
Viti_Levu_1916, Clarke_1880, -112.145, -0.54750714, +51, +391, -36<P>
Wake-Eniwetok_'60, Hough, -133.0, -0.14192702, +101, +52, -39<P>
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Zanderij, International, -251.0, -0.14192702, -265, +120, -358<P>
<P>
</HTML>

--=====834655770==_--

From jswift@up.net Wed Jun 12 20:45:57 1996
Received: from btc1 (btc1.up.net [205.242.56.10]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id UAA20996 for <aprssig@tapr.org>; Wed, 12 Jun 1996 20:45:53 -0500
(CDT)
Received: from nb1-66.up.net by btc1 (5.x/SMI-SVR4)
id AA24729; Wed, 12 Jun 1996 21:45:54 -0400
Message-Id: <9606130145.AA24729@btc1>
X-Sender: jswift@mail.up.net

X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 12 Jun 1996 21:46:23 -0500
To: <aprssig@tapr.org>
From: jack swift <jswift@up.net>
Subject: Position Changing

I ran into a unique situation and couldn't find the 'easy solution' in the readme files... maybe someone can point me to the correct file or tell me that it can't be done....

i was plotting the position of a helo using manual input of the audio report data. i attempted to update the position and could not figure out how to change the position data via the numeric keypad. it seems that the only way is to carefully maneuver the cursor into the correct position and 'move' the object to the cursor. am i missing something?

Jack Swift jswift@up.net N8WAV@W8YY.#UPMI.MI.USA.NA 47.119N 88.572W
Swift True Value Hardware 402 Sheldon Ave. Houghton, MI 49931
906-482-0530, 0531, 7766 Alpha Phi Omega Epsilon Lambda Chapter Advisor
Houghton County Amateur Radio Emergency Service Dereliction IS!
Keweenaw Peninsula Chapter American Red Cross CIO/Treasurer Ham It Up!

```

From fehner@cts.com Wed Jun 12 21:05:28 1996
Received: from mailhub.cts.com (mailhub.cts.com [192.188.72.25]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA22074 for <aprssig@tapr.org>; Wed, 12 Jun 1996
21:05:25 -0500 (CDT)
Received: from fehnercom.cts.com(really [198.68.171.229]) by mailhub.cts.com
    via smtp with smtp
    id <m0uU1mj-000V7aC@mailhub.cts.com>
    for <aprssig@tapr.org>; Wed, 12 Jun 96 19:05:21 -0700 (PDT)
    (Smail-3.1.92 1996-Mar-19 #3 built 1996-Apr-21)
Message-Id: <2.2.32.19960613021050.0069c544@mail.cts.com>
X-Sender: fehner@mail.cts.com (Unverified)
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 12 Jun 1996 19:10:50 -0700
To: aprssig@tapr.org
From: Barbara Fehner <fehner@cts.com>
Subject: Re: [APRSSIG:1763] Re: HSP bug and next APRS

```

Bob, just a short followup to my previous message. At first glance, the Molodensky transform equations look like they can be easily handled by a 3 dimensional rotation matrix in spherical coordinates followed by a translation matrix. If so, that would be the way to go for numerical calculation.

73 's

Barbara KK6IB

E-Mail: fehner@cts.com

From fmcjunki@cks.ssd.k12.wa.us Wed Jun 12 22:12:27 1996
Received: from ssd.k12.wa.us (cks.ssd.k12.wa.us [198.104.244.101]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA24695 for <aprssig@tapr.org>; Wed, 12 Jun 1996 22:12:24 -0500 (CDT)
Received: from localhost by ssd.k12.wa.us (4.1/SMI-4.1) id AA12005; Wed, 12 Jun 96 20:06:58 PDT
Date: Wed, 12 Jun 1996 20:06:58 -0700 (PDT)
From: Frank McJunkins <fmcjunki@cks.ssd.k12.wa.us>
X-Sender: fmcjunki@cks
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1875] Re: TAPR GPS-20 help requested
In-Reply-To: <v02140b01ade48d4279a7@[204.181.160.29]>
Message-Id: <Pine.SUN.3.92.960612200227.11779B-1000000@cks>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ron, I just got my GPS-20 this afternoon and was ready to give up with data out...but alas, it works! I'm using the NMEA output from pin 8 and feeding the KD6PBH GPS display from J Goldberg. It took about two hours for me to finally get useable data out because I didn't have an adequate antenna on the unit to get enough satellites to rebuild the almanac. I finally put a female RCA connector on the coax end, adapted that to a BNC female and hooked up my Garmin mag-mount antenna. I set the unit out in the yard and it took about 25 minutes to update the almanac. Now it will work pretty well with just a short piece of wire in the antenna jack...however not nearly as well as with the Garmin mag-mount antenna. I'll wait for your reply to the last persons questions before I add more to this follow-up.

Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916

From ku0g@sprynet.com Wed Jun 12 22:25:52 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA25140 for <aprssig@tapr.org>; Wed, 12 Jun 1996 22:25:46 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.143.38] (dd01-038.compuserve.com [199.174.143.38]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA13323 for <aprssig@tapr.org>; Wed, 12 Jun 1996 20:23:39 -0700
Date: Wed, 12 Jun 1996 20:23:39 -0700
Message-Id: <199606130323.UAA13323@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Second Run of Blackjack Antennas and SPM switches!
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

I am now taking reservations for the second run of Blackjack Antennas! The first 25 are GONE! (If you sent me EMail today or yesterday, YES, you ARE getting one of the first run, panic not!)

Lessons learned from the first run....

I'm not covering my shipping charges with the present \$4.00 per antenna...

Holding antennas for reservations for more than ten days is not a good idea...

Shipping COD means that I have to wait for as much as three weeks before UPS gets the money to me...

So, to that end I am making a few changes to my business policies, to wit:

If you reserve a unit I assume that you have already placed a payment in the mail when you EMail the confirmation to me. If a payment doesn't arrive within 8 days then the reservation will be dropped and a unit will be shipped when available (most cases the next day)...

The pricing on the antennas from this point forward will work like this: 1-4 units for \$40.00 each, 5-9 for 37.00 each, 10+ for \$35.00 each.

Shipping/handling will begin at \$5.00 with \$1.00 for each additional antenna ordered.

NOW FOR A BIG ANNOUNCEMENT!!!!!!

After much experimenting and testing, I have developed a WEATHER-PROOF VERSION OF THE BLACKJACK! It's called "The Natural" and the price is \$49.00 (up to 10 units) and \$46.00 for quantities of 11 and up! These units are scheduled for delivery to me the week of June 20th. Send your order now and take a \$4.00 ADVANCE RESERVATION DISCOUNT!

I am also ready to take orders for the SinglePortMode switch! The regular price for these units will be \$19.00 but the price is \$16.00 per unit (no quantity discount!) through the end of June!!! The SPM Switch comes with a three-foot serial cable and velcro attachments to allow remote mounting of the SPM switch in a location that will allow the driver to get a GPS fix without having to take his/her eyes off the road!!! No reservation necessary as these units are available now!!!

Best 73,
Jim Duncan, KU0G
Blackjack Antennas and GPS Accessories
13 N.W. Barry Rd., #141
Kansas City, MO 64155
EMail: ku0g@sprynet.com

From jbledsoe@flash.net Wed Jun 12 22:34:37 1996
Received: from defiant (ns1.flash.net [206.149.24.9]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id WAA25511 for <aprssig@tapr.org>; Wed, 12 Jun 1996
22:34:34 -0500 (CDT)
Received: from [208.194.192.160] (p-160.flash.net [208.194.192.160]) by defiant
(8.6.12/8.6.9) with SMTP id WAA25620; Wed, 12 Jun 1996 22:34:19 -0500
Date: Wed, 12 Jun 1996 22:34:19 -0500
Message-Id: <199606130334.WAA25620@defiant>
Subject: Re: [APRSSIG:1895] Re: TORNADO WARNING IS POSSIBLE
From: Jeffrey Bledsoe <jbledsoe@flash.net>
To: "TAPR APRS Special Interest Group" <aprssig@tapr.org>,

"TAPR APRS Special Interest Group" <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Hi fellows,

Has anyone tried to overlay realtime nexrad on (or under ?) aprs? I'm just considering getting into aprs, so I know the answer might be intuitively obvious to aprs users. I'm also trying to figure out if I can place my own homemade grid system below an aprs map.

Thanks,

Jeff, N5YMV

From kc8ux@w8dc.ampr.org Wed Jun 12 23:22:57 1996

Received: from w8dc.ampr.org (w8dc.ampr.org [44.102.128.21]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA27519 for <aprssig@tapr.org>; Wed, 12 Jun 1996 23:22:54 -0500 (CDT)

From: kc8ux@w8dc.ampr.org

Date: Thu, 13 Jun 96 00:24:04 EDT

Message-Id: <122145@w8dc.ampr.org>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1894] my GPS mobile shows up as a dot?

In-Reply-To: your message of Wed Jun 12 19:25:13 1996

<199606130017.UAA29230@hemisphere.neocomm.net>

Check and see what your BText is. If it is Btext {/} you will get a dot after your tnc sends out a beacon. It should show up on APRS screens as a truck until you get a beacon however.

From n0eop@usa.pipeline.com Wed Jun 12 23:41:43 1996

Received: from mailout1.h1.usa.pipeline.com (data1.h1.usa.pipeline.com [38.8.56.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA28244 for <aprssig@tapr.org>; Wed, 12 Jun 1996 23:41:35 -0500 (CDT)

Received: from pipe13.h1.usa.pipeline.com by mailout1.h1.usa.pipeline.com (8.6.9/2.1-PSINet/Pipeline)

id EAA22671; Thu, 13 Jun 1996 04:41:17 GMT

Received: by pipe13.h1.usa.pipeline.com (8.6.12/SMI-5.4-PSI)

id EAA01279; Thu, 13 Jun 1996 04:41:15 GMT

Date: Thu, 13 Jun 1996 04:41:15 GMT

Message-Id: <199606130441.EAA01279@pipe13.h1.usa.pipeline.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1882] Re: TORNADO WARNING IS POSSIBLE

From: n0eop@usa.pipeline.com (David Sloan)

Cc: aprssig@tapr.org

X-PipeUser: n0eop

X-PipeHub: usa.pipeline.com

X-PipeGCOS: (David Sloan)

X-Mailer: Pipeline v3.5.0

On Jun 12, 1996 12:37:13, 'Greg Blair <siggraph@dgp.toronto.edu>' wrote:

>Is it not true, that those who want to, can monitor NWS transmissions
>and take appropriate cover as they deem necessary?
COMMENT: I know that the Pueblo Weather rely on the Skywarn before
generating most of these transmissions.
>
>Why do we want to generate QRM as 300 APRS stations receive the same
>NWS warning and commence beaconing identical NWS info?
COMMENT: I don't think that we have 300 APRS active stations here in
Colorado Springs area. But, I agree that we don't even need the few that we
have beaconing the same report (unless a station has a different coverage).

>
>Certainly those that truly need the NWS info will be receiving it
directly?
>(such as radio and TV stations)
COMMENT: The radio and TV stations take their lead from the NWS and as I
said before the NWS rely on the local Skywarn.
>
>Won't they also use a more reliable reception method than Amateur Radio?
>(such as modems dial up links, internet, or a dedicated NWS receiver)
COMMENT: I use my modems to download weather data so that I can provide a
noon severe weather update for skywarn. That is when I can get through to
the server and when the server isn't having problems. The same goes for the
internet. There are times that I can't connect to a certain URL because
either the server is busy or is down. Thank goodness that these problems
don't happen to often. But, usually when they do is when I need information
the most.
>
>Do you really believe that a TV station, whose FCC license may mandate a
>crawl insertion with NWS bulletin info, will depend on Tom's home ham
radio
>setup being up, operational, and updated with the NWS bulletin? Not
likely!
>
COMMENT: see the above.
>Please remember this is AMATEUR radio. We are not a self appointed pseudo

>government organization. Our traffic can deal with details of an
experimental
>
>nature. We are prohibited from carrying commercial traffic, whether we
charge
>for it or not. Enjoy ham radio for what it is, not for what it isn't!
>
COMMENT: FUN!!! and maybe a learning place where we can also help the
general public.

>Greg, VE3DIB
>
Hi Greg,
I am not trying to start any war or anything. Just that I felt that I

had to put my two cents into this fray.
Dave, n0eop

From BordingK@aol.com Thu Jun 13 00:17:06 1996
Received: from emout09.mail.aol.com (emout09.mx.aol.com [198.81.11.24]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA03798 for <aprssig@tapr.org>; Thu, 13 Jun 1996 00:17:04 -0500 (CDT)
From: BordingK@aol.com
Received: by emout09.mail.aol.com (8.6.12/8.6.12) id BAA22435 for aprssig@tapr.org; Thu, 13 Jun 1996 01:16:51 -0400
Date: Thu, 13 Jun 1996 01:16:51 -0400
Message-ID: <960613011650_326689700@emout09.mail.aol.com>
To: aprssig@tapr.org
Subject: WinAPRS Up & Running in Jax,FL

QTH is up WinAPRS and Mobile Tracker to be operational this weekend here in Jacksonville, FL. Sure is lonely!

'73s KF4COH Ken

From 4x6em@techunix.technion.ac.il Thu Jun 13 01:27:18 1996
Received: from techunix.technion.ac.il (4x6em@techunix.technion.ac.il [132.68.1.28]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id BAA08374 for <aprssig@tapr.org>; Thu, 13 Jun 1996 01:27:08 -0500 (CDT)
Received: from localhost (4x6em@localhost) by techunix.technion.ac.il (8.7.5/8.6.10) with SMTP id JAA27369 for <aprssig@tapr.org>; Thu, 13 Jun 1996 09:25:55 +0300 (IDT)
Date: Thu, 13 Jun 1996 09:25:54 +0300 (IDT)
From: Ben-Shalom Assi <4x6em@techunix.technion.ac.il>
To: aprssig@tapr.org
Subject: Antenna suggestions ?
Message-ID: <Pine.GS0.3.93.960613092214.26128B-1000000@techunix.technion.ac.il>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,
Just recieved my GPS-20 yesterday wired it and fired it up.
To all of you that didnt wire it yet a word of caution, the 12 pin connector is hard to wire, if you use too much solder it will clog the hole.
Now to my question, I wired a 1/4 Lambda wire like the doc suggested, and could not get a fix although the gps MNEA stated it had a couple of satellites in view.
Any suggestions of a good homebrew antenna ?
bye, Assi 4Z7ABA

From wno1le@ix.netcom.com Thu Jun 13 01:30:47 1996
Received: from dfw-ix6.ix.netcom.com (dfw-ix6.ix.netcom.com [206.214.98.6]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id BAA08440 for <aprssig@tapr.org>; Thu, 13 Jun 1996 01:30:45 -0500 (CDT)
Received: from LOCALNAME (hun-a11-01.ix.netcom.com [205.184.6.33]) by dfw-

ix6.ix.netcom.com (8.6.13/8.6.12) with SMTP id XAA07826 for <aprssig@tapr.org>;
Wed, 12 Jun 1996 23:30:11 -0700
Message-ID: <31BFD184.5B5C@ix.netcom.com>
Date: Thu, 13 Jun 1996 01:29:56 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1905] Re: Nexrad
References: <199606130334.WAA25620@defiant>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeffrey Bledsoe wrote:

>
> Hi fellows,
>
> Has anyone tried to overlay realtime nexrad on (or under ?) aprs? I'm
> just considering getting into aprs, so I know the answer might be
> intuitively obvious to aprs users. I'm also trying to figure out if I
> can place my own homemade grid system below an aprs map.
>
> Thanks,
>
> Jeff, N5YMV
> Well Jeff don't think Nexrad would be possible, but grid overlays are. I
just finished doing the county i live in. What i did was made a map and
did an overlay on the map of a gridwork that corresponds to a mapbook
available for our area. Each grid is exactly the size of a page in the
mapbook and are numbered the same as the grid in the book. The reason for
this is that when foxhunting we can tell those people that are not
running APRS (But are using the mapbook) at what page and sector of that
page to look for the fox. I have used this in the past and worked out
just great. By the way most foxhunters here use the mapbook.

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From ldajz@epix.net Thu Jun 13 04:13:15 1996
Received: from epix.net (root@grape.epix.net [199.224.64.22]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id EAA13299 for <aprssig@tapr.org>; Thu, 13 Jun 1996
04:13:10 -0500 (CDT)
Received: from clsm-65ppp36.epix.net (clsm-65ppp36.epix.net [199.224.65.36]) by
epix.net (8.7.5/8.7.5) with SMTP id FAA08848 for <aprssig@tapr.org>; Thu, 13 Jun
1996 05:06:38 -0400 (EDT)
Message-ID: <31C00598.7D1@epix.net>
Date: Thu, 13 Jun 1996 05:12:08 -0700
From: "Al Zelna, N3KAE" <ldajz@epix.net>
X-Mailer: Mozilla 2.0 (Win16; I)

MIME-Version: 1.0
To: aprssig@tapr.org
Subject: [Fwd: SPARK FD 6 of ?]
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al Zelna, N3KAE wrote:

>
> I am sending this message to myself to see if the changes I have made
> worked or not. If you are having trouble seeing the tabs in the columns
> below, set your mail preferences to "Show fixed width font" and not
> variable width.
>
> I am also toning down on the use of capital letters (Equip. / Needed will
> stay as such).
>
> At this time, I would like to know from the committee members who will
> DEFINITELY be on-site for set-up and/or tear-down. I would also like a
> volunteer from the committee to be in charge of this most important
> aspect of our effort.
>
> So far...
> N3KAE SET-UP TEAR-DOWN
> N3EHQ SET-UP TEAR-DOWN
>
> Other volunteers will be needed to be in charge of "scheduling" operators
> for the event and notification to the TV/papers (for bonus points).
> Anyone else???

>
> > ***There are NO changes in the equipment list*** Just reset the tabs...
>
> > ***There are changes in the food section.***
>
> >VARIOUS EQUIPMENT PLEDGES:
> > 2 GP-5 TENTS/NO CHARGE N3UJY(NAT. GUARD) WEEKEND
> > 1 SCREEN TENT(FOOD TENT) N3PXP WEEKEND
> >
> > 1 2KW GENERATOR N3SJB WEEKEND
> > 1 5KW GENERATOR RENTAL/SPARK FUNDS WEEKEND
> >
> > 3 COMPUTERS 486/386/286 N3KAE,KA3YXM,N3TKI WEEKEND
> > 1 COMPUTER 8088 N3OKB OFFERED
> > X RS232 COMPUTER CABLES N3KAE WEEKEND
> > X CT 8.53 LOGGING S-WARE N3KAE WEEKEND
> >
> > 1 TS440S/MIC N3KAE WEEKEND
> > 1 TS440S/MIC WC3Z WEEKEND
> > 1 FT-840/MIC N3PXP WEEKEND
> > 1 TS830S/MIC N3PX0 WEEKEND
> > 1 2M ALL-MODE WM3L WEEKEND
> > 1 2M FM RIG N3KAE WEEKEND
> > 1 ASTRON RS35M P/S N3KAE WEEKEND
> > 1 ASTRON RS35M P/S N3PXP WEEKEND

> > 1	KEN. AT230 MAN. TUNER	N3KAE	WEEKEND
> > 1	MFJ 949 MANUAL TUNER	N3PXP	WEEKEND
> > 1	DRAKE ANTENNA MATCH	N3PX0	WEEKEND
> >			
> > 1	10M-80M WINDOM	N3KAE	WEEKEND
> > 1	10-80 LADDERLINE DIPOLE	SPARK'S	WEEKEND
> > 1	40M BALUN FED DIPOLE	KA3IRP	WEEKEND
> > 3	100 FT. COAX (W/ CONNS)	SPARK'S	WEEKEND
> > 3	50 FT. COAX (W/ CONNS)	SPARK'S	WEEKEND
> > 1	MFJ 2M 5/8 WAVE VERT.	N3PXP	WEEKEND
> > 1	MAST/BASE FOR VHF	N30KB	WEEKEND
> > 1	VHF ROTOR/BOX/CABLES	N30KB	WEEKEND
> >			
> > 1	TNC/RS232/PWR CABLE	N3KAE	WEEKEND
> > 1	PADDLES	AA3EG	WEEKEND
> > 1	KEYER/PADDLE	WM3L	WEEKEND
> > 1	STRAIGHT KEY	N3KAE	WEEKEND
> > 1	HEIL PROSET/FOOT SW.	N3KAE	WEEKEND
> > 1	EARPHONE SET	N3PX0	WEEKEND
> > 1	STRAIGHT KEY	N3PX0	WEEKEND
> > 1	8' FOLDING TABLE	N3PX0	WEEKEND
> > ??	CHAIRS	N3PX0	WEEKEND
> > 1	105 QT. COOLER	N3PXP	WEEKEND
> > 1	50 QT.? COOLER	N3KAE	WEEKEND
> > 1	ABC FIRE EXTINGUISHER	N3KAE	WEEKEND
> >			
> >	DESPERATELY NEEDED ITEMS:		
> >	LONG TABLES (5 - 7 FT LONG)		
> >	CHAIRS FOR OPERATING		
> >	DESK LIGHTS		
> >	GAS CANS FOR THE GENERATOR (2 - 10 GALLON)		
> >	HEAVY DUTY EXTENSION CORDS (FOR THE GENERATOR(S))		
> >	POWER STRIPS FOR THE EQUIPMENT		
> >	COOLERS FOR FOOD		
> >			
> >	FOOD COORDINATION: Ideas to WC3Z and/or N3LZB		
> >	MENU... So far:		
> >	BBQ BAKED BEANS* COLD CUT PLATTER		
> >	* RELISH TRAY		
> >	BURGERS / DOGS (IF WE GET A GRILL)((CLUB FUNDS))		
> >	STROMBOLI		
> >	FRIED CHICKEN		
> >	CHIPS / PRETZELS ((CLUB FUNDS))		
> >	SODA ((CLUB FUNDS))		
> >	ICE ((CLUB FUNDS))		
> >			
> >	Please look for a change in message number. ie: 2 of ? 3 of ?		
> >	!!!! PLEASE DO NOT QUOTE THE ENTIRE MESSAGE WITH YOUR REPLIES !!!		

From sdimse@bridge.net Thu Jun 13 06:21:35 1996
 Received: from relay4.UU.NET (relay4.UU.NET [192.48.96.14]) by tapr.org
 (8.7.5/8.7.3/1.9) with ESMTP id GAA16676 for <aprssig@tapr.org>; Thu, 13 Jun 1996
 06:21:30 -0500 (CDT)

Received: from bridge.net by relay4.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQatxl06036; Thu, 13 Jun 1996 07:21:36 -0400 (EDT)
Received: from [199.174.156.88] (dd14-088.compuserve.com [199.174.156.88]) by
bridge.net (8.7.5/8.7.3) with SMTP id HAA23586 for <aprssig@tapr.org>; Thu, 13 Jun
1996 07:18:41 -0400 (EDT)
Message-Id: <199606131118.HAA23586@bridge.net>
Subject: Re: [APRSSIG:1905] Re: TORNADO WARNING IS POSSIBLE
Date: Thu, 13 Jun 96 07:21:21 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>Has anyone tried to overlay realtime nexrad on (or under ?) aprs? I'm
>just considering getting into aprs, so I know the answer might be
>intuitively obvious to aprs users. I'm also trying to figure out if I
>can place my own homemade grid system below an aprs map.

>

There was a paper on the display of nexrad data in a stand alone program
at DCC last year. One of the nexrad products is a very compressed data
stream, a 2-3K file. The problem is getting access to it. aI is not
available over internet, you have to be at a NWS site and tap into the
serial data stream. If it were more generally available I'm sure it would
be added to the APRS programs.

Steve K04HD

From wnolle@ix.netcom.com Thu Jun 13 06:33:10 1996
Received: from dfw-ix9.ix.netcom.com (dfw-ix9.ix.netcom.com [206.214.98.9]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA16889 for <aprssig@tapr.org>; Thu, 13
Jun 1996 06:33:07 -0500 (CDT)
Received: from LOCALNAME (hun-a11-03.ix.netcom.com [205.184.6.35]) by dfw-
ix9.ix.netcom.com (8.6.13/8.6.12) with SMTP id EAA09554 for <aprssig@tapr.org>;
Thu, 13 Jun 1996 04:32:49 -0700
Message-ID: <31C0187A.4D0E@ix.netcom.com>
Date: Thu, 13 Jun 1996 06:32:42 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1911] [Fwd: SPARK FD 6 of ?]
References: <31C00598.7D1@epix.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al Zelna, N3KAE wrote:

>

> Al Zelna, N3KAE wrote:

> >

> > I am sending this message to myself to see if the changes I have made
> > worked or not. If you are having trouble seeing the tabs in the columns
> > below, set your mail preferences to "Show fixed width font" and not

> > variable width.
> >No your not, your sending it to everyone!!!!!!

From cheisler@cyberia.com Thu Jun 13 08:25:40 1996
Received: from cyberia.com (cyberia.com [205.160.224.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA20102 for <aprssig@tapr.org>; Thu, 13 Jun 1996
08:25:37 -0500 (CDT)
Message-Id: <199606131325.IAA20102@tapr.org>
Received: from sl37.cyberia.com by cyberia.com
with SMTP (IPAD 1.1) id 3940200 ; Thu, 13 Jun 96 09:28:09 EST
X-Sender: cheisler@cyberia.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 13 Jun 1996 09:25:25 -0400
To: aprssig@tapr.org
From: "Charles E. Heisler" <cheisler@cyberia.com>
Subject: Re: [APRSSIG:1903] Re: TAPR GPS-20 help requested

At 10:19 PM 6/12/96 -0500, you wrote:
>Ron, I just got my GPS-20 this afternoon and was ready to give up with
>data out...but alas, it works! I'm using the NMEA output from pin 8 and
>feeding the KD6PBH GPS display from J Goldberg.

Now you have me confused Frank, On what pin are you getting NMEA
out from your GPS-20?

From truxenia@erinet.com Thu Jun 13 08:40:35 1996
Received: from eri.erinet.com (root@eri.erinet.com [198.6.245.100]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA20551 for <aprssig@tapr.org>; Thu, 13 Jun 1996
08:40:32 -0500 (CDT)
Received: from truxenia by eri.erinet.com (8.6.12/EriNet)
id JAA26505; Thu, 13 Jun 1996 09:40:10 -0400
Message-Id: <1.5.4.32.19960613133651.00666918@erinet.com>
X-Sender: truxenia@erinet.com (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 13 Jun 1996 09:36:51 -0400
To: aprssig@tapr.org
From: Truman Boerkoel <truxenia@erinet.com>
Subject: WinAPRS Icons Changing

One of our locals run his GPS as -15 (from DosAPRS) and shows up
on the WinAPRS as a Van. The Icon will change to a House and at
times will switch back to a Van only to change back to a House.
(Strange to see a House running through the streets of Xenia, Ohio).

I switched back to the DosAPRS and the normal Van Icon shows up.
Has anyone else seen this or is it a Bug in the 1.0 release?

de Tru K8JUG
truxenia@erinet.com

From bruninga@nadm.navy.mil Thu Jun 13 08:48:49 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA20880 for <aprssig@tapr.org>; Thu, 13
Jun 1996 08:48:46 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
JAA26382; Thu, 13 Jun 1996 09:49:40 -0400
Date: Thu, 13 Jun 1996 09:49:40 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: SAREX and Field Day!
In-Reply-To: <31BF95B9.7758@epix.net>
Message-ID: <Pine.SUN.3.91.960613094518.23832E@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 12 Jun 1996, Al Zelna, N3KAE wrote:

> I hope everyone is gearing up for FD. Members of the Scranton Pocono
> Amateur Radio Klub will once again participate in FD. This year we will
> be using APRS to compliment our VHF/Packet station.
> I am curious if there is anyone reading this message who can confirm
> activity in the above mentioned areas ON 145.790 MHz.

APRSdos REPLY COMMENT: IF WE ARE LUCKY ***** The Space Shuttle STS-78
will be digipeating APRS packets on the SAREX packet frequency. That
sould mean EVERY station EVERYWHERE will see something, hi hi.... But
then again, the crew might decide to honor field day with VOICE
operations and then the SAREX digipeater would NOT be available. We can
HOPE tho... If you are going to use APRS or APRtrak for SAREX, PRACTICE
PRACTICE and PRACTICE so you understand the SPACE mode...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Thu Jun 13 08:53:39 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA20957 for <aprssig@tapr.org>; Thu, 13
Jun 1996 08:53:35 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
JAA27030; Thu, 13 Jun 1996 09:54:29 -0400
Date: Thu, 13 Jun 1996 09:54:29 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1901] Position Changing
In-Reply-To: <9606130145.AA24729@btc1>
Message-ID: <Pine.SUN.3.91.960613095023.23832F-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 12 Jun 1996, jack swift wrote:

> I ran into a unique situation and couldn't find the 'easy solution'
> i was plotting the position of a helo using manual input of the
> audio report data. i attempted to update the position and could not figure
> out how to change the position data via the numeric keypad. it seems that
> the only way is to carefully maneuver the cursor into the correct position
> and 'move' the object to the cursor. am i missing something?

APRSdos REPLY COMMENT: Good point. The INPUT-ADD command allows you to
keyboard in a new LAT/LONG when you add a new object to the screen, but
to HOOK and INSert (move) an existing object, you can only move the cursor
to the location and hit INSert key.

Here is a convoluted way:

- 1) Use INPUT-ADD to re-enter the HELO at the new location
- 2) Hook and DELETE the old position..

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Thu Jun 13 09:02:51 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA21067 for <aprssig@tapr.org>; Thu, 13
Jun 1996 09:02:47 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
KAA28813; Thu, 13 Jun 1996 10:03:39 -0400
Date: Thu, 13 Jun 1996 10:03:39 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Grid your own maps
In-Reply-To: <199606130334.WAA25620@defiant>
Message-ID: <Pine.SUN.3.91.960613100151.23832L-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 12 Jun 1996, Jeffrey Bledsoe wrote:

> Has anyone tried to overlay realtime nexrad on (or under ?) aprs?
*** No, but it would be a fun project...

> I'm also trying to figure out if I
> can place my own homemade grid system below an aprs map.

APRSdos REPLY COMMENT: Yes, just use the MAPFIXxx.exe program to add
your lines to any APRS map.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Thu Jun 13 09:09:04 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA21416 for <aprssig@tapr.org>; Thu, 13
Jun 1996 09:09:00 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
KAA29666; Thu, 13 Jun 1996 10:09:55 -0400

Date: Thu, 13 Jun 1996 10:09:55 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1909] Antenna suggestions ?
In-Reply-To: <Pine.GS0.3.93.960613092214.26128B-100000@techunix.technion.ac.il>
Message-ID: <Pine.SUN.3.91.960613100546.23832M-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 13 Jun 1996, Ben-Shalom Assi wrote:

> Now to my question, I wired a 1/4 Lambda wire like the doc suggested,
> and could not get a fix although the gps MNEA stated it had a couple
> of satellites in view.

APRSdos REPLY COMMENT: Actually my 1/4 wavelength vertical wire stuck in the antenna jack, assumes a decent groundplane. For the bare minimum, I soldered two 1/4 wave radials on the edge of the board nearest the connector.

I DO NOT RECOMMEND THIS. But it did work. The better way to use just a 1/4 wave vertical, is to mount the GPS unit on the back of a piece of ground plane material (copper PC board) and use a piece of 1/8 inch brass tubing to serve to connect the ground plane to the Antenna connector SHIELD. Then insert your 1/4 wave whip through the ground plane into the tiny antenna jack...

de wb4apr@amsat.org

From seront@seism1.ess.sunysb.edu Thu Jun 13 09:14:59 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA21773 for <aprssig@tapr.org>; Thu, 13 Jun 1996 09:14:55 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-4 #8051) id <01I5UUEEDKTC9YE00S@ccmail.sunysb.edu> for aprssig@tapr.org; Thu, 13 Jun 1996 10:14:51 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA07071; Thu, 13 Jun 1996 10:14:09 -0400 (EDT)
Date: Wed, 12 Jun 1996 22:14:32 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Earthquakes ...
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960613021432.0067b2ac@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 10:57 AM 6/12/96 -0500, you wrote:

>Hi Mark and the group. Indeed your stories are real and applicable
>regarding tornados and other disasters. In California of course,
>the great fear is earthquakes. There appears to be many preliminary
>warning methods some of which might be placed on APRS effectively.

I refrained myself to answer this subject for a while, but here I have to say something. There is nothing personal against anybody in this answer, just my point of view, open to discussion.

There is NO (I repeat NO, NONE, NADA, AUCUN) warning method that works with any degree of confidence to predict an earthquake (I should say: to answer the questions: when? and where? precisely enough. I can predict that earthquakes will occur along the US pacific cost in the next 10 millions years).

This doesn't mean we will not find a way in the future, nor that some precursors do not exist in some cases. Just that there is actually nothing reliable enough to be widely used.

This is a highly sensible topic, for people living in concerned areas, so, please, do not start thinking of using some pseudo scientific warnings spread over radio networks if there is no reasonable scientific basis.

When we send weather data over APRS , we do not send any warning, but raw data. This is up to the people looking at them to interpret the data. I think this has to be the same for lightning, radioactivity level, or anything else: APRS transports the data, but not the warning. Besides, that should eliminate any concern about FCC rules.

>Last months Scientific American has a rather detailed construction
>article on an electromagnetic detector for such phenomenon. The Mu
>metal rods ARE expensive (\$70 each!) but do work. Winding 50000
>turns of number 38 wire remains a task tho. Since earthquakes have
>a finite travel time it looks like some real contribution can be made
>by APRS. What do you think?

Read carefully the paper, they warn the reader about the credibility amateur scientist networks need if they want to be recognized. Low frequency electromagnetic waves can be generated by other phenomenon than earthquakes (thunderstorms for example). The real contribution is for a lot of people to build the device, record continuously data for long periods, and send them for analysis, not to send unverified warnings each time they see something strange (this would discredit the work of the whole network).

That doesn't restrict us of sending the data over the air, and playing with the idea of localizing the origin, mapping the path of the phenomenon creating this activity (and if this a thunderstorm, great). This is where aprs, and the capability of real time positioning analysis, is unique.

By the way while you look at the pile of Scientific American at the library, there is another article about a cheap, but good quality, homebrew seismometer. It uses 3 ADXL05, which are accelerometers in a chip from analog device (application note available on their web site), cost is less than 30\$ a piece.

You are not going to do any prediction with that however: a seismic wave is generated as the result of an earthquake.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
http://rock.ess.sunysb.edu:8080/

From sproul@ap.org Thu Jun 13 09:50:47 1996
Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id JAA23188 for <aprssig@tapr.org>; Thu, 13 Jun 1996 09:50:43 -0500
(CDT)
Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4)
id KAA27984; Thu, 13 Jun 1996 10:47:07 -0400
X-Sender: sproul@165.1.6.1
Message-Id: <v03006f03ade5d2991a20@[165.1.27.20]>
In-Reply-To: <1.5.4.32.19960613133651.00666918@erinet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 13 Jun 1996 10:14:47 -0400
To: aprssig@tapr.org
From: Mark Sproul <sproul@ap.org>
Subject: Re: WinAPRS Icons Changing
Cc: ksproul@hardees.rutgers.edu

>One of our locals run his GPS as -15 (from DosAPRS) and shows up
>on the WinAPRS as a Van. The Icon will change to a House and at
>times will switch back to a Van only to change back to a House.
>(Strange to see a House running through the streets of Xenia, Ohio).
>
>I switched back to the DosAPRS and the normal Van Icon shows up.
>Has anyone else seen this or is it a Bug in the 1.0 release?

We have been working on this problem (and the problem of real houses
moving). We have a fair amount of it fixed and it will be out in the next
release.

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

From n2czf@gate.net Thu Jun 13 10:13:48 1996
Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA23829 for <aprssig@tapr.org>; Thu, 13 Jun 1996
10:13:43 -0500 (CDT)
From: n2czf@gate.net
Received: from 199.227.125.185 (wpbf12-58.gate.net [199.227.125.185]) by
osceola.gate.net (8.6.12/8.6.12) with SMTP id LAA45798 for <aprssig@tapr.org>;
Thu, 13 Jun 1996 11:13:33 -0400

Date: Thu, 13 Jun 1996 11:13:33 -0400
Message-Id: <199606131513.LAA45798@osceola.gate.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Florida APRS Web Page and Sig
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.17

The is to let anyone who is interested know that the Florida APRS Web page is well on it's way now. MY ADDRESS WILL BE CHANGING TO n2czf@magg.net

The magg net account has been started and my account under n2czf@gate.net will close on July 8th with no mail forwarding provided. Cybergate could not even let me pay for a shell account for a few months so I can forward my mail!

I will start the Web page this weekend and let everyone know what the address is once it is up. I have also been given the OK to start a FLAPRS Sig from one person and have a maybe from another. I will wait a while on this so we can decide which way will be best before we go ahead and do it. Many have said that they still want to hear about FL activity (while I only got 1 nasty gram) on the sig but I agree that any long conversations just about FL should not be here on the APRSig. I know that I will continue as normal on here but anything drawn out just FL will probably go on that sig so FL users see it and do not miss on the replies. If anyone else want's to be included they can either sign up on the sig or let me know and I will forward specific messages privately.

73's De Rich N2CZF
n2czf@gate.net
Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before. Steven Wright

From saltair@hargray.com Thu Jun 13 11:20:29 1996
Received: from fern.hargray.com (fern.hargray.com [205.218.96.10]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA26743 for <aprssig@tapr.org>; Thu, 13 Jun 1996 11:20:23 -0500 (CDT)
Received: from saltair.hargray.com (xl34.hargray.com [205.218.96.64]) by fern.hargray.com (8.7.5/8.7) with SMTP id MAA25044 for <aprssig@tapr.org>; Thu, 13 Jun 1996 12:20:11 -0400 (EDT)
Message-ID: <31C03F72.7866@hargray.com>
Date: Thu, 13 Jun 1996 12:18:58 -0400
From: George Salinas <saltair@hargray.com>
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1702] trip to San Antonio
References: <m0uS9Fh-0010d8C@vista.hevanet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron Reeves wrote:

>
> I will be taking a trip to San Antonio from June 16th - June 22nd. Is
> there any APRS activity in that area? If so I would appreciate any
> information the locals might feel inclined to share with me about freq's,
> upproto, etc. Please send it to me direct so as to not waste bandwidth on
> the sig.
> I will have a portable setup complete with my new Garmin 45 (which the
sig
> helped me to choose, thanks again guys.)
>
> Thanks Ron N7QX0
>
> reeves@christenson.com
> If you have the wrong answer, change the question.

=====
I'll be heading in the same direction in late June. Let us know what
you hear and see.

73 George KD4FJ.

From saltair@hargray.com Thu Jun 13 11:24:35 1996
Received: from fern.hargray.com (fern.hargray.com [205.218.96.10]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id LAA26830 for <aprssig@tapr.org>; Thu, 13 Jun 1996
11:24:33 -0500 (CDT)
Received: from saltair.hargray.com (xl34.hargray.com [205.218.96.64]) by
fern.hargray.com (8.7.5/8.7) with SMTP id MAA22538 for <aprssig@tapr.org>; Thu, 13
Jun 1996 12:24:23 -0400 (EDT)
Message-ID: <31C0406D.1FE5@hargray.com>
Date: Thu, 13 Jun 1996 12:23:09 -0400
From: George Salinas <saltair@hargray.com>
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1751] APRS.REF attached
References: <1.5.4.16.19960608201123.10c78bc6@apex2000.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Les Blalock wrote:

>
> Hope this is appropriate. I've attached the APRS.REF quick reference file
> for APRS. It's only two and a half pages printed.
>
> I've had so many requests for it already I thought I might get it out more
> efficiently this way. I'll still send it individually to anyone who needs
> it in the form of a message.
>
> 73 de Les/N5K0A

>
> -----
>
> Attachment 2 Name: APRS.REF
> Type: text/plain

=====

Hey Les,

Thanks for the APRS ref. I printed it out and placed it on my operating table. No fumbling around now.

73, George KD4FJ.

From christen@codger.physics.duq.edu Thu Jun 13 11:51:00 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA27848 for <aprssig@tapr.org>; Thu, 13 Jun 1996 11:50:57 -0500 (CDT)
Received: from wm19.icubed.com by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM)
id AA30639; Thu, 13 Jun 1996 12:47:34 -0400
Sender: paul@infobahn.icubed.com
Message-Id: <31C046E4.644E5942@codger.physics.duq.edu>
Date: Thu, 13 Jun 1996 12:50:44 -0400
From: "P. Christenson" <christen@codger.physics.duq.edu>
X-Mailer: Mozilla 3.0b4Gold (X11; I; Linux 1.2.13 i486)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1882] Re: TORNADO WARNING IS POSSIBLE
References: <31BEC53A.7B35@dgp.toronto.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greg Blair wrote:

> Is it not true,

[...]

> Enjoy ham radio for what it is, not for what it isn't!

Comments well noted. However, keep in mind that we are a BACKUP to the "regular" emergency services, which have a tendency of falling apart all too often.

Our strength is in our numbers. If, for example, the HF rig at the Pittsburgh National Red Cross building dies (which happened), they don't have a spare. The call goes out, and they have 3 or 4 replacement rigs there within the hour.

We run SKYWARN to supplement the NWS spotters. If their phones go dead,

then WE are the spotters. Period.

Keep in mind that one of the main reasons for the Amateur Radio Service to exist at all is to provide a backup means of communication in the event of emergency.

If you don't want to use a particular feature, then don't use it. That's well within your rights as a license holder.

However, I'm all for adding features, even if they can't be legally used under normal conditions. If I'm running in an emergency situation, I do what I need to get the job done, then answer questions later. That's why I mod all of my radios for out of band coverage.

To the programmers: Please put in all the neat, potentially useful features that you want. Just be sure to give us a way to turn them "off".

From ku0g@sprynet.com Thu Jun 13 12:06:37 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA28348 for <aprssig@tapr.org>; Thu, 13 Jun 1996 12:06:34 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.133.94] (ad06-094.compuserve.com [199.174.133.94]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id KAA06282 for <aprssig@tapr.org>; Thu, 13 Jun 1996 10:04:27 -0700
Date: Thu, 13 Jun 1996 10:04:27 -0700
Message-Id: <199606131704.KAA06282@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:1912] Re: TORNADO WARNING IS POSSIBLE
To: aprssig@tapr.org
In-Reply-To: <199606131118.HAA23586@bridge.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

The data format Steve is talking about is a Radar Coded Message. There is a program that takes these messages and will convert them for display, BUT the output is only in 5 levels.

We have access to it here in Kansas City from both the Kansas City and Topeka NEXRAD sites which is distributed via packet bbs by the NWS itself. So, it's possible to get it IF you can convince some ham at your local NWS Office to make it available to you!!!

I would be hesitant to put this type of object out on APRS due to the amount of data generated, BUT if your NWS office leaves all of the information intact in the RCM then you WILL get wind speeds, inflow/outflow, rotational vortices and vertical profiler data which could be a HOOT to have available!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator

EMail: ku0g@sprynet.com

From christen@codger.physics.duq.edu Thu Jun 13 12:12:05 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA28505 for <aprssig@tapr.org>; Thu, 13
Jun 1996 12:12:02 -0500 (CDT)
Received: from wm19.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA23428; Thu, 13 Jun 1996 13:08:51 -0400
Sender: paul@infobahn.icubed.com
Message-Id: <31C04BE1.4474D5F7@codger.physics.duq.edu>
Date: Thu, 13 Jun 1996 13:12:01 -0400
From: "P. Christenson" <christen@codger.physics.duq.edu>
X-Mailer: Mozilla 3.0b4Gold (X11; I; Linux 1.2.13 i486)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1896] Wow...
References: <960612204655_326406801@emout08.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> BTW the lightning sensor will not be set up to trigger after every strike,
> cause this would completely saturate the vhf net. I will set it up to trip
> at a certain level. (What level Im not sure yet..that will be determined)

How about making it user-settable?

How about TWO alert levels? Roughly, "There is a storm coming" and "This storm is
getting NASTY".

Just a thought...

From MANNING_P@wfum.flint.umich.edu Thu Jun 13 16:07:14 1996
Received: from willow.flint.umich.edu (willow.flint.umich.edu [141.216.1.250]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA08108 for <aprssig@tapr.org>; Thu, 13
Jun 1996 16:07:11 -0500 (CDT)
Received: from WFUM.flint.umich.edu by willow.flint.umich.edu (8.6.12/2.25)
with ESMTP id RAA13454; Thu, 13 Jun 1996 17:04:41 -0400
Received: from UMF-WFUM/MAILQ by WFUM.flint.umich.edu (Mercury 1.21);
13 Jun 96 17:04:36 EDT
Received: from MAILQ by UMF-WFUM (Mercury 1.21); 13 Jun 96 17:04:31 EDT
From: "PAUL MANNING" <MANNING_P@wfum.flint.umich.edu>
To: aprssig@tapr.org
Date: Thu, 13 Jun 1996 17:04:23 EDT
Subject: Emergency Alert System
Priority: normal
X-mailer: Pegasus Mail v3.22
Message-ID: <11155DD6028B@WFUM.flint.umich.edu>

Hello to the Bob and the group,

I was wandering Bob, what was in the plans for APRS with the new

EAS (Emergency Alert System) around the corner.

Are the two systems compatible?? Would an EAS received message allow for a watch or warning box to be drawn on the APRS map??

Broadcasters, Civil Defence, Emergency Management, etc.. are currently in the planning process for this new system.

I have not heard much out of the Amateur Community as yet on this topic.

Paul N8VXD

From gerry@cs.tamu.edu Thu Jun 13 17:18:13 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA10519 for <aprssig@tapr.org>; Thu, 13 Jun 1996 17:18:10 -0500 (CDT)
Received: from solar.cs.tamu.edu (solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id RAA01375 for <aprssig@tapr.org>; Thu, 13 Jun 1996 17:17:34 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id RAA10373 for aprssig@tapr.org; Thu, 13 Jun 1996 17:16:03 -0500
Message-Id: <199606132216.RAA10373@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1829] Re: Precision Mapping 2.0
To: aprssig@tapr.org
Date: Thu, 13 Jun 1996 17:16:03 -0500 (CDT)
In-Reply-To: <31BD93E7.6B1E@flo-bin.com> from "Ken Mirabella" at Jun 11, 96 11:05:13 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

In order to get the Developer's stuff to unzip you need to give them a call and complete a straightforward agreement regarding development. Doesn't make them the owner of anything you develop, especially if developed for non-profit "stuff" but it's something to keep their lawyers' retainers happy, I think.

The folks there (I seem to routinely talk to someone named Steve) are friendly and willing to help, or admit ignorance if they don't know the answer.

Ken, why don't you drop me mail directly (gerry@cs.tamu.edu, n5jxs@tamu.edu, or gerry@rsgis3.tamu.edu) and we can discuss more.

73, gerry

From alanwc7r@primenet.com Thu Jun 13 17:19:58 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA10702 for <aprssig@tapr.org>; Thu, 13 Jun 1996 17:19:55 -0500 (CDT)
Received: from primenet.com (root@usr2.primenet.com [198.68.32.12]) by mailhost1.primenet.com (8.7.5/8.7.1) with ESMTP id PAA17051 for <aprssig@tapr.org>; Thu, 13 Jun 1996 15:19:50 -0700 (MST)
Received: from wc7r (ip194.prc.primenet.com [204.212.56.194]) by primenet.com (8.7.5/8.7.3) with SMTP id PAA20561 for <aprssig@tapr.org>; Thu, 13 Jun 1996 15:19:48 -0700 (MST)
Message-Id: <2.2.32.19960613211942.0067cda4@mailhost.primenet.com>
X-Sender: alanwc7r@mailhost.primenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 13 Jun 1996 15:19:42 -0600
To: aprssig@tapr.org
From: "Alan K. Unangst" <alanwc7r@primenet.com>
Subject: Davis Instruments Programmer's Reference Disk

I have been able to convince Davis Instruments to release their Programmer's Reference Disk at NO CHARGE. The information is available either from their LLBBS (510- 293-3546) or their internet address (<http://www.davisnet.com>)

Davis is now committed to Amateur radio, and is proving it by this FREE OFFER. There is only VERY LIMITED personal support, since they are offering it FREE, so do not expect to get unlimited phone support from them.

I hope that this is helpful to anyone who wants to "tinker" with interfaces. I have been able to put together a complete comparison of the Davis Weather system and the Peet Brothers Ultimeter system. I will try and get it out to the SIG over the weekend, so that an informed decision can be reached, if you are considering the purchase of a weather system.

Hope to see all of you "On the Map".

73, Alan, WC7R
Alan K. Unangst, WC7R
E-mail: alanwc7r@primenet.com
Packet: WC7R @ KB7FRV

From KD4EMI@aol.com Thu Jun 13 17:26:58 1996
Received: from emout07.mail.aol.com (emout07.mx.aol.com [198.81.11.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA10795 for <aprssig@tapr.org>; Thu, 13 Jun 1996 17:26:55 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout07.mail.aol.com (8.6.12/8.6.12) id SAA04325 for aprssig@tapr.org; Thu, 13 Jun 1996 18:26:18 -0400
Date: Thu, 13 Jun 1996 18:26:18 -0400
Message-ID: <960613182618_413682783@emout07.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1920] Earthquakes ...

>There is NO (I repeat NO, NONE, NADA, AUCUN) warning method that works with
>any degree of confidence to predict an earthquake (I should say: to answer
>the questions: when? and where? precisely enough. I can predict that
>earthquakes will occur along the US pacific cost in the next 10 millions
>years).
---Snip-----

Let me rephrase that...

The monitor will be able to provide hobby types with that data and it might
be of interest thats it..

There is no notion -none---zero-nada----to PREDICT repeat PREDICT these
events...

It's just a way to provide data out to the radio group if someone was
interested in it.. Just like we can watch the news and get the rainfall,
temp or log into the internet and get GEOS maps...

It is not intended to act as anything more than an interesting way for people
to play around...

The lightning detector does have some warning applications but again, its all
just for the hobby...

Michael
KD4EMI@AOL.COM

From fehner@cts.com Thu Jun 13 17:33:59 1996
Received: from mailhub.cts.com (mailhub.cts.com [192.188.72.25]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA11165 for <aprssig@tapr.org>; Thu, 13 Jun 1996
17:33:53 -0500 (CDT)
Received: from fehnercom.cts.com(really [198.68.171.229]) by mailhub.cts.com
via smail with smtp
id <m0uUKxR-000VF2C@mailhub.cts.com>
for <aprssig@tapr.org>; Thu, 13 Jun 96 15:33:41 -0700 (PDT)
(Smail-3.1.92 1996-Mar-19 #3 built 1996-Apr-21)
Message-Id: <2.2.32.19960613223911.006d5dbc@mail.cts.com>
X-Sender: fehner@mail.cts.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="====_834730751==_"
Date: Thu, 13 Jun 1996 15:39:11 -0700
To: aprssig@tapr.org
From: Barbara Fehner <fehner@cts.com>
Subject: Re: [APRSSIG:1900] Re: HSP bug and next APRS
X-Attachments: D:\Documents\Mapping\Datum\datum list.html;

--====_834730751==_
Content-Type: text/plain; charset="us-ascii"

There are a couple of corrections to my original post.

1.

I did find an omission in my original post. The correction follows:

```
-----
>Ellipsoid data
>
>ELLIPSOID, INDEX, A, 1/F
>
>Clarke 1866",5,6378206.4,294.9786982
>WGS 84",21,6378137,298.257223563
>
>-----
>
>Delta A= A(WGS84)-A(Clarke 1866)=-69.4
>Delta F= F(WGS84)-F(Clarke 1866)= -0.37264639
>
>-----
```

Should be

$\Delta F = F(\text{WGS84}) - F(\text{Clarke 1866}) = -0.37264639 \times 10^4$

2. I sent a HTML page as part of the message instead of an attachment. The page is attached this time for viewing in a browser.

Barbara KK6IB
E-Mail: fehner@cts.com

At 08:56 PM 6/12/96 -0500, I wrote:

```
-----
>
>                ABRIDGED MOLODENSKY FORMULAE
>                CONVERSION FROM AGD66 OR AGD84 TO WGS84
>
>Reference: "Department of Defense World Geodetic System 1984
>----- Its definition and relationship with local geodetic systems"
>                DMA Technical Report 8350.2, 30 September 1987
>
>
>SNIP
```

--=====834730751==_
Content-Type: text/plain; charset="us-ascii"
Content-Disposition: attachment; filename="datum list.html"

```
<HTML>
<TITLE>Geodetic Datum List</TITLE>
<H1>Geodetic Datum List</H1>
<I><ADDRESS>Peter H. Dana</ADDRESS></I><P>
<I><ADDRESS>Department of Geography, University of Texas at Austin</ADDRESS></I><P>
<I><ADDRESS>Internet: pdana@mail.utexas.edu</ADDRESS></I><P>
```

<I><ADDRESS>11/17/95</ADDRESS></I><P>

<H2>Datum, Ellipsoid, Delta a, Delta f ($\times 10^4$), Delta X, Delta Y, Delta Z.</H2>

<H2>Delta parameters are with respect to WGS-84 parameters for conversion from the specified datum to WGS-84.</H2>

<H2>Parameter Delta a is the WGS-84 Equatorial radius minus the specified datum Equatorial radius in meters.</H2>

<H2>Parameter Delta f is the WGS-84 flattening minus the specified datum flattening multiplied by 10^4 .</H2>

<H2>Delta X, Y, Z parameters are WGS-84 X, Y, Z parameters minus the specified datum X, Y, Z in meters.</H2>

<H2>The Delta X, Y, and Z parameters are added to the specified datum X, Y, Z to convert to WGS-84.</H2>

<H2>The source for most of these parameters is Defense Mapping Agency Technical Report, Department of Defense World Geodetic System 1984, DMA TR 8350.2 Second Edition, 1 September 1991.</H2>

WGS-84 Equatorial Radius (a) = 6378137.0

WGS-84 Flattening (f) = 1/298.257223563

<P>

Adindan, Clarke_1880, -112.145, -0.54750714, -166, -15, +204<P>

AFG, Krassovsky, -108.0, 0.00480795, -43, -163, +45<P>

Ain_El_Abd_1970, International, -251.0, -0.14192702, -150, -251, -2<P>

Alaska_(NAD-27), Clarke_1866, -69.4, -0.37264639, -5, +135, +172<P>

Alaska/Canada_NAD-27, Clarke_1866, -69.4, -0.37264639, -9, +151, +185<P>

Anna_1_Astro_1965, Australian_National, -23.0, -0.00081204, -491, -22, +435<P>

ARC-1950_mean, Clarke_1880, -112.145, -0.54750714, -143, -90, -294<P>

ARC-1960_mean, Clarke_1880, -112.145, -0.54750714, -160, -8, -300<P>

Ascension_Island_'58, International, -251.0, -0.14192702, -207, +107, +52<P>

Astro_B4_Sor.Atoll, International, -251.0, -0.14192702, +114, -116, -333<P>

Astro_Beacon_"E", International, -251.0, -0.14192702, +145, +75, -272<P>

Astro_Pos_71/4, International, -251.0, -0.14192702, -320, +550, -494<P>

Astronomic_Stn._'52, International, -251.0, -0.14192702, +124, -234, -25<P>

Australian_Geodetic_1984, Australian_National, -23.0, -0.00081204, -134, -48, +149<P>

Bahamas_(NAD-27), Clarke_1866, -69.4, -0.37264639, -4, +154, +178<P>

Bellevue_(IGN), International, -251.0, -0.14192702, -127, -769, +472<P>

Bermuda_1957, Clarke_1866, -69.4, -0.37264639, -73, +213, +296<P>

Bogota_Observatory, International, -251.0, -0.14192702, +307, +304, -318<P>

Bukit_Rimpah, Bessel_1841, 739.845, 0.10037483, -384, +664, -48<P>

Camp_Area_Astro, International, -251.0, -0.14192702, -104, -129, +239<P>

Campo_Inchauspe, International, -251.0, -0.14192702, -148, +136, +90<P>

Canada_Mean_(NAD27), Clarke_1866, -69.4, -0.37264639, -10, +158, +187<P>

Canal_Zone_(NAD27), Clarke_1866, -69.4, -0.37264639, 0, +125, +201<P>

Canton_Island_1966, International, -251.0, -0.14192702, +298, -304, -375<P>

Cape, Clarke_1880, -112.145, -0.54750714, -136, -108, -292<P>

Cape_Canaveral_mean, Clarke_1866, -69.4, -0.37264639, -2, +150, +181<P>

Carribean_(NAD27), Clarke_1866, -69.4, -0.37264639, -7, +152, +178<P>

Carthage, Clarke_1880, -112.145, -0.54750714, -263, +6, +431<P>

Central_America_(NAD27), Clarke_1866, -69.4, -0.37264639, 0, +125, +194<P>

Chatham_1971, International, -251.0, -0.14192702, +175, -38, +113<P>

Chua_Astro, International, -251.0, -0.14192702, -134, +229, -29<P>

Corrego_Alegre, International, -251.0, -0.14192702, -206, +172, -6<P>

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--=====834730751==--

From gerry@cs.tamu.edu Thu Jun 13 18:14:47 1996
 Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
 (8.7.5/8.7.3/1.9) with SMTP id SAA12254 for <aprssig@tapr.org>; Thu, 13 Jun 1996
 18:14:41 -0500 (CDT)
 Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
 cs.tamu.edu (8.6.10/8.6.4) with ESMTP id SAA02747 for <aprssig@tapr.org>; Thu, 13

Jun 1996 18:14:01 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id SAA11162 for aprssig@tapr.org; Thu, 13 Jun 1996 18:13:00 -0500

Message-Id: <199606132313.SAA11162@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:1910] Re: Nexrad

To: aprssig@tapr.org

Date: Thu, 13 Jun 1996 18:13:00 -0500 (CDT)

In-Reply-To: <31BFD184.5B5C@ix.netcom.com> from "William Nolle" at Jun 13, 96 01:35:48 am

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

William Nolle sez:

>

> Jeffrey Bledsoe wrote:

> >

> > Hi fellows,

> >

> > Has anyone tried to overlay realtime nexrad on (or under ?) aprs? I'm

> > just considering getting into aprs, so I know the answer might be

> > intuitively obvious to aprs users. I'm also trying to figure out if I

> > can place my own homemade grid system below an aprs map.

> >

> > Thanks,

> >

> > Jeff, N5YMV

> Well Jeff don't think Nexrad would be possible, but grid overlays are. I

If memory serves, there was a presentation in last years ARRL Digital Communications Conference concerning a program that receives on-air packet data with NEXRAD encoded in an ascii format for display...

gerry

From dearborn@ccnet.com Thu Jun 13 18:16:16 1996

Received: from ccnet4.ccnet.com (ccnet4.ccnet.com [192.215.96.9]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id SAA12312 for <aprssig@tapr.org>; Thu, 13 Jun 1996 18:16:08 -0500 (CDT)

Received: from [192.215.96.204] (h96-204.ccnet.com [192.215.96.204]) by ccnet4.ccnet.com (8.7.1/8.6.12) with SMTP id QAA05850 for <aprssig@tapr.org>; Thu, 13 Jun 1996 16:15:52 -0700 (PDT)

X-Sender: dearborn@mail.ccnet.com

Message-Id: <v01520d00ade64d89a8fb@[192.215.96.119]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Thu, 13 Jun 1996 16:15:41 -0700

To: aprssig@tapr.org

From: dearborn@ccnet.com (Terry Dearborn)

Subject: Re: [APRSSIG:1921] Re: WinAPRS Icons Changing

Truman Boerkoel wrote on 6-13

>>One of our locals run his GPS as -15 (from DosAPRS) and shows up
>>on the WinAPRS as a Van. The Icon will change to a House and at
>>times will switch back to a Van only to change back to a House.
>>(Strange to see a House running through the streets of Xenia, Ohio).
>>
>>I switched back to the DosAPRS and the normal Van Icon shows up.
>>Has anyone else seen this or is it a Bug in the 1.0 release?

MARK RESPONDED 6-13-96

>We have been working on this problem (and the problem of real houses
>moving). We have a fair amount of it fixed and it will be out in the next
>release.
>

Mark: Add to your BUG LIST for MacAPRS 2.4.1: Some stations appear as an H
inside a grey circle. Sam, K06JR, who runs MacAPRS appears this way on both
his mobile GPS signals as well as his home station.
WB6HIO (not running MacAPRS), just a few miles from Sam, also appears as an
H. I have also seen Hs in Solano and Santa Cruz Co. Supposedly Sam wrote
to you about this roughly a month ago. No one has reported ME with an H
symbol. This problem DID NOT start with the initial use of 2.4.1 suggesting
that it may be caused by some change in the digipeter's function.

Regards from Terry, W6HPC
Central Contra Costa County
Focus of N. Calif. APRS activity (don't tell San Francisco)

Regards from Terry
Lafayette CA

From willf@rrgroup.com Thu Jun 13 20:50:37 1996

Received: from inc.net (beta.inc.net [204.95.160.2]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id UAA18280 for <aprssig@tapr.org>; Thu, 13 Jun 1996 20:50:35 -0500
(CDT)

Received: from will (will.rrgroup.com [204.95.173.139]) by inc.net (8.7.5/8.7.3)
with SMTP id UAA12815; Thu, 13 Jun 1996 20:47:14 -0500 (CDT)

Message-ID: <31C0C502.6D22@rrgroup.com>

Date: Thu, 13 Jun 1996 20:48:50 -0500

From: Will Flor <willf@rrgroup.com>

Organization: R R Systems Group Inc.

X-Mailer: Mozilla 2.0 (WinNT; I)

MIME-Version: 1.0

To: aprssig@tapr.org

CC: willf@rrgroup.com

Subject: Re: Emergency Alert System

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

You wrote:

From: PAUL MANNING[SMTP:MANNING_P@wfum.flint.umich.edu]
Sent: Thursday, June 13, 1996 4:25 PM
To: aprssig@tapr.org
Subject: [APRSSIG:1928] Emergency Alert System

> Hello to the Bob and the group,

> I was wandering Bob, what was in the plans for APRS with the new

> EAS (Emergency Alert System) around the corner.

I've never heard of EAS - is it the same as SAME - the Specific Area
Message Encoder that NOAA is beginning to install at its weather radio
stations?

There's been a discussion of SAME on the ham-wx mailing list.

73 de KB9JTT

From jswift@up.net Fri Jun 14 06:15:47 1996
Received: from btc1 (btc1.up.net [205.242.56.10]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id GAA11643 for <aprssig@tapr.org>; Fri, 14 Jun 1996 06:15:43 -0500
(CDT)
Received: from nb1-122.up.net by btc1 (5.x/SMI-SVR4)
id AA06704; Fri, 14 Jun 1996 07:15:45 -0400
Message-Id: <9606141115.AA06704@btc1>
X-Sender: jswift@mail.up.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 14 Jun 1996 07:17:06 -0500
To: aprssig@tapr.org
From: jack swift <jswift@up.net>
Subject: Re: [APRSSIG:1917] Re: Position Changing

i will be using the convoluted way, but not just because of the
speed and accuracy of getting the data into the program, but also because i
can then see the 'track'.

it's interesting to note that you can have several (well, i tried
only two) objects with the same 'callsign' without crashing the program.
nice bulletproofing, bob!

At 09:09 AM EST 6/13/96 -0500, you wrote:

> On Wed, 12 Jun 1996, jack swift wrote:

>

>> I ran into a unique situation and couldn't find the 'easy solution'

Sent: Thursday, June 13, 1996 6:24 PM
To: aprssig@tapr.org
Subject: [APRSSIG:1933] Re: Nexrad

William Nolle sez:
Jeffrey Bledsoe wrote:

> Has anyone tried to overlay realtime nexrad on (or under ?) aprs? I'm
> just considering getting into aprs, so I know the answer might be
> intuitively obvious to aprs users. I'm also trying to figure out if =
I
> can place my own homemade grid system below an aprs map.

If memory serves, there was a presentation in last years ARRL Digital
Communications Conference concerning a program that receives on-air =
packet
data with NEXRAD encoded in an ascii format for display...=20

gerry

What we're talking about here is NEXRAD RMC data product's. These are =
ASCII files of about
60K bytes that contain coarse NEXRAD product's. These product's can be =
any of the NEXRAD
product's like rain, wind, and whatever else NEXRAD can see.
The RMC data product's must be produced by the NWS people and then made =
available. There is some software on the ARRL BBS that creates the base =
maps for your computer for the NWS location
you select, you can then transfer by whatever means the RMC dataset's =
and display them as overlay's
to the maps the NWS NEXRAD RMC program created on your PC.

----- _NextPart_000_01BB59CC.0F9AE330

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Content-Transfer-Encoding: base64

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From garnold@naples.net Fri Jun 14 09:27:19 1996
Received: from gator.naples.net (root@gator.naples.net [205.160.191.2]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA17791 for <aprssig@tapr.org>; Fri, 14
Jun 1996 09:27:17 -0500 (CDT)
Received: from port45.annex1.naples.net (port45.annex1.naples.net
[205.160.191.141]) by gator.naples.net (8.7.3/8.6.12) with SMTP id KAA10241 for
<aprssig@tapr.org>; Fri, 14 Jun 1996 10:31:26 -0400 (EDT)
Message-ID: <31C1A108.57A@naples.net>
Date: Fri, 14 Jun 1996 10:27:36 -0700
From: Gary Arnold <garnold@naples.net>
Reply-To: garnold@naples.net
Organization: Collier County Emergency Management
X-Mailer: Mozilla 3.0b4Gold (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1928] Emergency Alert System
References: <11155DD6028B@WFUM.flint.umich.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

PAUL MANNING wrote:

>
> Hello to the Bob and the group,
>
> I was wandering Bob, what was in the plans for APRS with the new
>
> EAS (Emergency Alert System) around the corner.
>
> Are the two systems compatible?? Would an EAS received message
>

> allow for a watch or warning box to be drawn on the APRS map??
>
> Broadcasters, Civil Defence, Emergency Management, etc.. are currently
>
> in the planning process for this new system.
>
> I have not heard much out of the Amateur Community as yet on this
>
> topic.
>
> Paul N8VXD

It all depends on how many sources you want dumping the same information into the network. EAS will carry the same information as the WX service bulletins, (which also carry lat/long for watch/warning boxes BTW!).

The key to EAS will be the ability (eventually) to turn on radios and TV's upon receipt of the message, and the ability to warn areas as small as individual zip codes, without warning half a state. Of course you can alert the entire country if needed, and authorized at the national level.

All cable companies and broadcasters should be on line by mid 1997, but the planning process is going slowly in many areas.

73,
Gary WB2WPA

Gary Arnold CEM
Coordinator, Collier County (FL) Emergency Management
Co-chair, Southwest Florida EAS Planning Committee
garnold@naples.net
76656.2753@compuserve.com
[Packet radio] wb2wpa@wb2wpa.#nap.fl.usa.noam

EM pages: "<http://www.naples.net/govern/county/emrgmt/zccem1.htm>"
Personal page: "<http://www.naples.net/govern/county/emrgmt/garnold.htm>"

"I'm writing an unauthorized autobiography."
-- Steven Wright, peripheral visionary

From Paul_Moller@csg.mot.com Fri Jun 14 09:50:36 1996
Received: from motgate2.mot.com (motgate2.mot.com [129.188.136.20]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA18522 for <aprssig@tapr.org>; Fri, 14 Jun 1996 09:50:33 -0500 (CDT)
Received: from pobox.mot.com (pobox.mot.com [129.188.137.100]) by motgate2.mot.com (8.7.3/8.6.10/MOT-3.8) with ESMTP id OAA04796 for <aprssig@tapr.org>; Fri, 14 Jun 1996 14:48:07 GMT
Received: from OAMPC10.csg.mot.com (OAMPC10.csg.mot.com [144.188.134.33]) by pobox.mot.com (8.7.3/8.6.10/MOT-3.8) with SMTP id JAA17191 for <aprssig@tapr.org>; Fri, 14 Jun 1996 09:49:58 -0500 (CDT)
Received: from PaulM_PC.csg.mot.com (PaulM_PC.csg.mot.com [144.188.36.8]) by OAMPC10.csg.mot.com (8.6.8.1/8.6.6) with SMTP id KAA27151 for <aprssig@tapr.org>;

Fri, 14 Jun 1996 10:00:23 -0500
Message-Id: <2.2.32.19960614144956.006d8e54@144.188.134.33>
X-Sender: mollpj@144.188.134.33
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 14 Jun 1996 09:49:56 -0500
To: aprssig@tapr.org
From: Paul Moller <Paul_Moller@csg.mot.com>
Subject: cool s/w

I just ran across some cool shareware s/w that may have an aprs application. It is "HyperSnap" available on many web sites (Tucows and others). What it can do is to grap a snapshot of all or part of your screen every x seconds (you define x up to a very large number) and automatically store the picture with incrementing file names. So... one could arrange it to capture an aprs screen once or twice per day for later viewing. Beware, in auto capture mode, HyperSnap dissapears from the screen and does its thing. If you forget about it and have the settings turned very high, it may fill up your hard drive!

Paul, WD9ABE

From garnold@naples.net Fri Jun 14 10:04:59 1996
Received: from gator.naples.net (root@gator.naples.net [205.160.191.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA18978 for <aprssig@tapr.org>; Fri, 14 Jun 1996 10:04:55 -0500 (CDT)
Received: from port15.annex1.naples.net (port15.annex1.naples.net [205.160.191.110]) by gator.naples.net (8.7.3/8.6.12) with SMTP id LAA11626 for <aprssig@tapr.org>; Fri, 14 Jun 1996 11:09:03 -0400 (EDT)
Message-ID: <31C1A9D1.249D@naples.net>
Date: Fri, 14 Jun 1996 11:05:05 -0700
From: Gary Arnold <garnold@naples.net>
Reply-To: garnold@naples.net
Organization: Collier County Emergency Management
X-Mailer: Mozilla 3.0b4Gold (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1933] Re: Nexrad
References: <199606132313.SAA11162@solar.cs.tamu.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gerald J Creager wrote:

>
> William Nolle sez:
> >
> > Jeffrey Bledsoe wrote:
> > >
> > > Hi fellows,
> > >
> > > Has anyone tried to overlay realtime nexrad on (or under ?) aprs? I'm
> > > just considering getting into aprs, so I know the answer might be
> > > intuitively obvious to aprs users. I'm also trying to figure out if I

> > > can place my own homemade grid system below an aprs map.
> > >
> > > Thanks,
> > >
> > > Jeff, N5YMV
> > Well Jeff don't think Nexrad would be possible, but grid overlays are. I
>
> If memory serves, there was a presentation in last years ARRL Digital
> Communications Conference concerning a program that receives on-air packet
> data with NEXRAD encoded in an ascii format for display...
>
> gerry

The Radar Coded Message product is just that...encoded. There is freeware available to decode and display the image on a PC. The NWS AFOS pill header includes the middle three letters of RCM. For example: MIARCMAMX is the radar coded message for the Miami Doppler. Sadly, the product is NOT available on the NWS "wire" now delivered by GTE via satellite (formerly Contel). We're working with the Miami WSFO to try to get NWS to change that policy. For now, as KU0G indicated the other day, you must make some special arrangement with your local WX office to get the product.

Displaying decoded doppler data on an APRS screen MAY be a serious bandwidth hog, even though the RCM's are only around 2.5-3K generally.
Would be interested in seeing it, if it can be done!

73,
Gary

Gary Arnold CEM
Coordinator, Collier County (FL) Emergency Management
garnold@naples.net
76656.2753@compuserve.com
[Packet radio] wb2wpa@wb2wpa.#nap.fl.usa.noam

EM pages: "<http://www.naples.net/govern/county/emrgmgt/zccem1.htm>"
Personal page: "<http://www.naples.net/govern/county/emrgmgt/garnold.htm>"

"I'm writing an unauthorized autobiography."
-- Steven Wright, perpipheral visionary

From schiers@ames.net Fri Jun 14 10:46:10 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA20189 for <aprssig@tapr.org>; Fri, 14 Jun 1996
10:46:05 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606141546.KAA20189@tapr.org>
Received: from [206.29.126.237] by ames.net id 55a30.wrk; Fri, 14 Jun 1996
10:45:08 -0600
Date: Fri, 14 Jun 96 10:46:04 -0500
To: aprssig@tapr.org


```
...0000000000000000000000000000000000000000^a  
└ ≤±∞   TNX      73...de...ko6xs, John        ∞±≤ ┘  
└ ≤±∞   smtp    ko6xs.ampr.org. 44.16.1.241    ∞±≤ ┘  
└ ≤±∞   ax25     ko6xs@wb6ymh.#soc.ca.us         ∞±≤ ┘  
└ ≤±∞   email    ko6xs@wwcb.earthlink.net       ∞±≤ ┘  
»0000000000000000000000000000000000000000^o
```

From wtba@eci-esyst.com Fri Jun 14 10:50:59 1996
Received: from eci-esyst.com (callisto.eci-esyst.com [205.129.215.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA20551 for <aprssig@tapr.org>; Fri, 14 Jun 1996 10:50:56 -0500 (CDT)
Received: by eci-esyst.com (4.1/SMI-4.1)
id AA13741; Fri, 14 Jun 96 11:47:38 EDT
Received: from unknown(191.254.100.4) by callisto.eci-esyst.com via smap (V1.3mjr)
id sma013713; Fri Jun 14 11:46:38 1996
Message-Id: <31C189FF.5C94@eci-esyst.com>
Date: Fri, 14 Jun 1996 11:49:19 -0400
From: Bill Bard <wtba@eci-esyst.com>
Reply-To: wtba@eci-esyst.com
X-Mailer: Mozilla 2.0 (Macintosh; I; 68K)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: RE>[APRSSIG:1937] Re: Nexrad
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Regarding displaying the Nexrad data, how can you get the data to begin with?

Bill Bard
wd4ixi@amsat.org

From dwetzel@uswest.com Fri Jun 14 11:56:42 1996
Received: from uswgco2.uswc.uswest.com (uswgco2.uswest.com [206.196.133.74]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA22941 for <aprssig@tapr.org>; Fri, 14 Jun 1996 11:56:38 -0500 (CDT)
Received: (from smap@localhost) by uswgco2.uswc.uswest.com (8.7.1/8.7.1) id KAA17421 for <aprssig@tapr.org>; Fri, 14 Jun 1996 10:56:13 -0600 (MDT)
Received: from egate.mnet.uswest.com(151.116.23.138) by uswgco2.uswc.uswest.com via smap (V1.3)
id sma017354; Fri Jun 14 10:54:16 1996
Received: from easthub (easthub.mnet.uswest.com [151.117.26.86]) by egate.mnet.uswest.com (8.7.1/8.7.1) with SMTP id KAA15141 for <aprssig@tapr.org>; Fri, 14 Jun 1996 10:54:15 -0600 (MDT)
Received: by easthub.mnet.uswest.com (M-Net Hub.951228)
Received: from acmspgw1 by acs.uswest.com (5.x/SMI-SVR4)
id AB21581; Fri, 14 Jun 1996 11:53:58 -0500
Received: from ccMail by acmspgw1.mnet.uswest.com
(IMA Internet Exchange 2.01 Enterprise) id 1C242250; Fri, 14 Jun 96 23:55:01 -0500
Mime-Version: 1.0
Date: Fri, 14 Jun 1996 10:53:42 -0500
Message-Id: <1C242250.1262@acmspgw1.mnet.uswest.com>
From: dwetzel@uswest.com (Doug Wetzel)
Subject: [APRSSIG:1925] Re: TORNADO WARNING IS POSSIBLE
To: aprssig@tapr.org
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Lots of stuff from Mr. Christensen removed here -----

Comments well noted. However, keep in mind that we are a BACKUP to the "regular" emergency services, which have a tendency of falling apart all too often.

This is absolutely the best discussion and comment of the whole issue I've seen here - let's all copy, print, and refer to it regularly and move on to getting it done!

Doug
KC7CO

From sdimse@bridge.net Fri Jun 14 12:24:29 1996
Received: from relay6.UU.NET (relay6.UU.NET [192.48.96.16]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA23875 for <aprssig@tapr.org>; Fri, 14 Jun 1996 12:24:23 -0500 (CDT)
Received: from bridge.net by relay6.UU.NET with ESMTP (peer crosschecked as: newworld.bridge.net [204.253.4.4]) id QQaueb16446; Fri, 14 Jun 1996 13:24:21 -0400 (EDT)
Received: from [204.253.4.40] (ppp-mia1-40.bridge.net [204.253.4.40]) by bridge.net (8.7.5/8.7.3) with SMTP id NAA14145 for <aprssig@tapr.org>; Fri, 14 Jun 1996 13:21:37 -0400 (EDT)
Message-Id: <199606141721.NAA14145@bridge.net>
Subject: Re: [APRSSIG:1937] Re: Nexrad
Date: Fri, 14 Jun 96 13:24:24 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>What we're talking about here is NEXRAD RMC data product's. These are
>ASCII files of about
>60K bytes that contain coarse NEXRAD product's. These product's can be any
>of the NEXRAD
>product's like rain, wind, and whatever else NEXRAD can see.
>The RMC data product's must be produced by the NWS people and then made
>available. There is some software on the ARRL BBS that creates the base
>maps for your computer for the NWS location
>you select, you can then transfer by whatever means the RMC dataset's and
>display them as overlay's
>to the maps the NWS NEXRAD RMC program created on your PC.

I don't have the DCC proceedings in front of me, but I recall the presentation talked about one of the automatically generated highly compressed formats that was only a couple of K in size. It was automatically injected into the ascii stream coming out from the NWS.

Steve K04HD

From seront@seism1.ess.sunysb.edu Fri Jun 14 12:27:49 1996
 Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org
 (8.7.5/8.7.3/1.9) with ESMTP id MAA24155 for <aprssig@tapr.org>; Fri, 14 Jun 1996
 12:27:46 -0500 (CDT)
 Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-4 #8051)
 id <01I5WFEU4A209YEP8J@ccmail.sunysb.edu> for aprssig@tapr.org; Fri,
 14 Jun 1996 13:27:41 -0400 (EDT)
 Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1)
 id AA08626; Fri, 14 Jun 1996 13:26:59 -0400 (EDT)
 Date: Fri, 14 Jun 1996 01:27:20 -0400
 From: Bernard Seront <seront@seism1.ess.sunysb.edu>
 Subject: GPS ant. pre-amp offer.
 X-Sender: seront@seism1.ess.sunysb.edu
 To: aprssig@tapr.org
 Message-id: <2.2.32.19960614052720.0075faac@seism1.ess.sunysb.edu>
 MIME-version: 1.0
 X-Mailer: Windows Eudora Pro Version 2.2 (32)
 Content-type: text/plain; charset="iso-8859-1"
 Content-transfer-encoding: quoted-printable

I was looking for a pre-amp ship for my home made GPS antenna for a while,
and found something interesting:

The MAR-6 from Mini-Circuits is the perfect candidate for that.

For those who don't know:

It's a monolithic ampl, DC to 2GHz, typ. gain is 16 dB @ 1 GHz, 11 dB @ 2
GHz, min. gain @ 2 GHz is 9 dB over the full temperature range (-20 to 85=
=B0C).

Power supply is 3.5 V and it draws 16 mA. RF input and output provide a good
50 ohms match.

The power supply and gain seem to be exactly what Garmin recommends
(According to a post in the sat-nav newsgroup: max current 15 mA, max RF
gain 12 dB).

The case is either a small signal RF transistor look-alike package with 4
leads, or a SMT (surface mount) package.

The DC power is supplied to the ship through the RF output via a (required)
bias resistor. All you need to build the amp is the MAR-6, 2 capa (100pF
chip), a resistor (~90-100 ohms) and an optional RF choke or ferrite bead.

The basic circuit for GPS application with 5 V DC supplied through the coax=
is:

```

MAR-6  1 In, 2 Out      +---R---+
      4,3 to Gnd.      |         |
                      4|  RFC     |
                      |||         |
(Ant) RF in---C1---| \---+---C2---+-- RF out (to gps)
                  1| /2
  
```

|/|
3|

If you don't have 5V on the coax, you connect R to an external power source instead of folding it back to RF out.

There was an article in 73' (Dec 1992) about the MAR series, with a PCB layout (actually, all you need is 50 ohms striplines for RF in and out, i'll make a drawing).

So what: I eventually got an answer from Mini-Circuits, and got a good price on the MAR-6 (here at the university we participate in their Partner Program), but I have to buy 50 of them minimum (min order is 50\$).

So here is the deal: if there is enough people interested I make a group purchase and distribute them to everyone interested for cost + shipping + epsilon for my burden.

* Your cost is going to be 2\$ a piece, everything included.

Note: I am not doing that as a business, I am not going to do that again. Bare price (for me) is 1.06\$ (+.05 if SMT) each + tax + shipping. I'll have to buy an envelope and a stamp for each order (I'll send them by first class mail unless there are good reasons not to). Usual price from Mini-Circuits is ~1.5\$ each. If you think my offer is unfair or, if you want to buy a lot of them, see directly with Mini-circuit.

If you are interested: send me a ****personal**** e-mail (seront@seism1.ess.sunysb.edu), !if you just reply to this msg it's not going to be personal!

Please put "MAR-6" somewhere in the subject, for easier sorting.

Indicates the quantity your want, and if you want SMT or not (I can order both types to fill the 50 units requirement).

DO NOT send any money now, if there is enough interest, I'll have to confirm the order and the details with Mini-Circuits first. Note that they quoted 1-3 weeks for delivery. If everything is ok, I'll ask you to send me the money (check, bill in an envelope if you feel comfortable with that, or any other easy way for me, but NO COD) and you got your ships in return.

Disclaimer: If there is any technical discussion needed, we should do that -before- I order. I never tried these amps, I do not -guarantee- they'll work. If you burn your GPS because of the preamp don't come back to me, I won't take any responsibility for that.

FYI: I spoke with a tech at Mini-circuit yesterday, and he recommended the MAR-6 for GPS applications, he said it is often used for that. As far as I can tell there shouldn't be any problem.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
http://rock.ess.sunysb.edu:8080/

From wnolle@ix.netcom.com Fri Jun 14 12:35:04 1996
Received: from dfw-ix11.ix.netcom.com (dfw-ix11.ix.netcom.com [206.214.98.11]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA24571 for <aprssig@tapr.org>; Fri, 14 Jun 1996 12:35:00 -0500 (CDT)
Received: from LOCALNAME (hun-a11-11.ix.netcom.com [205.184.6.43]) by dfw-ix11.ix.netcom.com (8.6.13/8.6.12) with SMTP id KAA20780 for <aprssig@tapr.org>; Fri, 14 Jun 1996 10:34:20 -0700
Message-ID: <31C1BEB5.6B00@ix.netcom.com>
Date: Fri, 14 Jun 1996 12:34:13 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1940] Re: Nexrad
References: <31C1A9D1.249D@naples.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gary Arnold wrote:

>
> Gerald J Creager wrote:
> >
> > William Nolle sez:
> > >William Nolle didn't SEZ any of this, Gerald somehow got my name in this Nexrad message thing.

From sproul@ap.org Fri Jun 14 13:16:11 1996
Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA25944 for <aprssig@tapr.org>; Fri, 14 Jun 1996 13:16:07 -0500 (CDT)
Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4) id OAA08895; Fri, 14 Jun 1996 14:12:30 -0400
X-Sender: sproul@165.1.6.1
Message-Id: <v03006f01ade754f7787f@[165.1.27.20]>
In-Reply-To: <712@ko6xs.ampr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 14 Jun 1996 13:43:40 -0400
To: aprssig@tapr.org
From: Mark Sproul <sproul@ap.org>
Subject: Re: [APRSSIG:1942] simultaneous winaprs&JNOS
Cc: ko6xs@ko6xs.ampr.org

>\$64 question: Is it possible to route the correct information, each to
>its own program: aprs info to winaprs, and bbs info to JNOS? Or is it
>possible to configure windows so that both programs get both information
>and then each recognizes its own??
>Thanks for your help.
>73s de Jon
>

NO, it is not possible to get 2 programs to both talk to the same port. It is possible to create a virtual com port that does the splitting, you have to be a very good low level driver software person to do this. The answer is the same for Mac and for Windows.

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

From alanwc7r@primenet.com Fri Jun 14 14:35:34 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id OAA29232 for <aprssig@tapr.org>; Fri, 14 Jun 1996 14:35:29 -0500 (CDT)
Received: from primenet.com (root@usr1.primenet.com [198.68.32.11]) by mailhost1.primenet.com (8.7.5/8.7.1) with ESMTP id MAA26201; Fri, 14 Jun 1996 12:35:23 -0700 (MST)
Received: from wc7r (ip199.prc.primenet.com [204.212.56.199]) by primenet.com (8.7.5/8.7.3) with SMTP id MAA23721; Fri, 14 Jun 1996 12:35:18 -0700 (MST)
Message-Id: <2.2.32.19960614183510.0067d35c@mailhost.primenet.com>
X-Sender: alanwc7r@mailhost.primenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 14 Jun 1996 12:35:10 -0600
To: aprssig@tapr.org
From: "Alan K. Unangst" <alanwc7r@primenet.com>
Subject: Weather Syatem Compairison
Cc: bruninga@nadm.navy.mil

I will start out by saying that I have NO proprietary, personal or financial interest in either of the weather systems that I am going to compare. This is an attempt to answer the questions that I have received concerning the Differences between the Davis Instruments Weather Monitor system and the Peet Brother's Ulitmeter system.

What follows is FACT not advertising hype or sales PR. Both systems are good and have their strengths and limitations. I am not interested in return hate mail or being FLAMED for this article, it is only intended to give a point by point comparison of the two (2) systems, which you prefer, or buy is entirely up to you. I DON'T CARE!!! I hope that it will allow the interested end user to make an informed decision before he/she plunks down money for a weather system. Also, both systems interface with APRS\WinAPRS and are fine for Skywarn & NWS applications.

So here we go:

Davis Weather Monitor II

Peet's Ulitmeter 2000

Display:	4.38" x 1.88"	3.25" x 1.5"
	3 items displayed	1 + 1 items displayed
	1 hr. interval Barometric trend change	3 hr. Barometric trend change

Accuracy: Both are equal

Price:

Console	\$395.00	\$379.00
Ext. Temp/Hum sensor	125.00	110.00
Inside Hum. sensor	Included	100.00
Rain Collector (0/.01")	75.00	90.00
Data Logger	Included	No*
Data Logger/Software	165.00	69.00
Duplex Cable	n/a	9.00

	-----	-----
Total Package Price	\$760.00	\$757.00

Heated Anemometer	no	(upgrade) yes
Weather talker	yes	no
* Requires Dedicated Computer	no	yes
NASA Ambassador Program Approved	yes	no
High/Lows	yes	yes
Accessories	19	11
Phone modem adapter	yes	no
Wireless rain gauge	no	yes

Here you have the basic comparison. A complete, detailed report is available. Just send me a SESE and I'll send it to you. (1431 Haisley Ct. Prescott, Az. 86303-6395)

I hope that this answers many of the questions that you may have concerning the two (2) systems. As stated before both are good, and have strengths and limitation, this "goodie" or "that". I do not think that you can go wrong with either system, it is what your personal preference is...does it do what you want it to do for what you are willing to pay, do you like the looks and feel of it etc.

We need as many Amateurs on the air with APRS\WinAPRS transmitting the current weather conditions. it is not important which system is giving the data, only that it is being given.

Look forward to seeing you all "On The Map"

73, Alan, WC7R

Alan K. Unangst, WC7R

E-mail: alanwc7r@primenet.com

Packet: WC7R @ KB7FRV

From sproul@ap.org Fri Jun 14 16:38:50 1996

Received: from uswgco2.uswc.uswest.com (uswgco2.uswest.com [206.196.133.74]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA03507 for <aprssig@tapr.org>; Fri, 14 Jun 1996 16:38:43 -0500 (CDT)

Received: (from smap@localhost) by uswgco2.uswc.uswest.com (8.7.1/8.7.1) id PAA29310 for <aprssig@tapr.org>; Fri, 14 Jun 1996 15:37:14 -0600 (MDT)

Received: from egate.mnet.uswest.com(151.116.23.138) by uswgco2.uswc.uswest.com via smap (V1.3)

id sma029254; Fri Jun 14 15:34:38 1996

Received: from easthub (easthub.mnet.uswest.com [151.117.26.86]) by egate.mnet.uswest.com (8.7.1/8.7.1) with SMTP id PAA27396 for <aprssig@tapr.org>; Fri, 14 Jun 1996 15:34:40 -0600 (MDT)

Received: by easthub.mnet.uswest.com (M-Net Hub.951228)

Received: from acmspgw1 by acs.uswest.com (5.x/SMI-SVR4)

id AB26720; Fri, 14 Jun 1996 16:34:32 -0500

Received: from ccMail by acmspgw1.mnet.uswest.com

(IMA Internet Exchange v1.04) id 1c283b20; Sat, 15 Jun 96 04:34:42 -0500

Mime-Version: 1.0

Date: Fri, 14 Jun 1996 15:14:59 -0500

Message-Id: <1c283b20@acmspgw1.mnet.uswest.com>

Return-Receipt-To: Doug_Wetzel_at_MPLSACS1@acs.uswest.com (Doug Wetzel)

From: Doug_Wetzel_at_MPLSACS1@acs.uswest.com (Doug Wetzel)

Subject: [APRSSIG:1948] Re: simultaneous winaprs&JNOS

To: aprssig@tapr.org

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Content-Description: cc:Mail note part

Subject: [APRSSIG:1948] Re: simultaneous winaprs&JNOS

From: Mark Sproul <sproul@ap.org> at Internet-Mail

Date: 6/14/96 13:27

>\$64 question: Is it possible to route the correct information, each to
>its own program: aprs info to winaprs, and bbs info to JNOS? Or is it
>possible to configure windows so that both programs get both information
>and then each recognizes its own??

>Thanks for your help.

>73s de Jon

>

NO, it is not possible to get 2 programs to both talk to the same port. It is possible to create a virtual com port that does the splitting, you have to be a very good low level driver software person to do this. The answer is the same for Mac and for Windows.

Mark

Mark Sproul | Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org | Work: 609-860-7120
North Brunswick, NJ | Fax: 609-860-7129
<http://msproul.rutgers.edu/>

----->

There is an even more profound difference, as the various flavors of NOS want to see KISS frames from the TNC. The TNC does very little processing of the frames, leaving virtually all of the AX25 protocol handshaking and upper layer (TCP/IP) protocol processing to the NOS software itself. APRS on the other hand, requires that the AX25 protocol processing be done by the TNC and the info passed out the port to APRS as an ascii string from which most of the AX25 control info has been stripped. Not only would you have to have a port splitter, but one of the data paths would require a packet-processing driver that looks like a tnc in convers mode to APRS.

Doug
KC7CO

From sproul@ap.org Fri Jun 14 16:40:33 1996
Received: from uswgco2.uswc.uswest.com (uswgco2.uswest.com [206.196.133.74]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA03545 for <aprssig@tapr.org>; Fri, 14 Jun 1996 16:40:29 -0500 (CDT)
Received: (from smap@localhost) by uswgco2.uswc.uswest.com (8.7.1/8.7.1) id PAA29403 for <aprssig@tapr.org>; Fri, 14 Jun 1996 15:39:14 -0600 (MDT)
Received: from egate.mnet.uswest.com(151.116.23.138) by uswgco2.uswc.uswest.com via smap (V1.3)
id sma029393; Fri Jun 14 15:38:47 1996
Received: from easthub (easthub.mnet.uswest.com [151.117.26.86]) by egate.mnet.uswest.com (8.7.1/8.7.1) with SMTP id PAA27538 for <aprssig@tapr.org>; Fri, 14 Jun 1996 15:38:42 -0600 (MDT)
Received: by easthub.mnet.uswest.com (M-Net Hub.951228)
Received: from acmspgw1 by acs.uswest.com (5.x/SMI-SVR4)
id AD26832; Fri, 14 Jun 1996 16:38:35 -0500
Received: from ccMail by acmspgw1.mnet.uswest.com
(IMA Internet Exchange v1.04) id 1c284bc0; Sat, 15 Jun 96 04:39:08 -0500
Mime-Version: 1.0
Date: Fri, 14 Jun 1996 15:25:26 -0500
Message-Id: <1c284bc0@acmspgw1.mnet.uswest.com>
Return-Receipt-To: Doug_Wetzel_at_MPLSACS1@acs.uswest.com (Doug Wetzel)
From: Doug_Wetzel_at_MPLSACS1@acs.uswest.com (Doug Wetzel)
Subject: [APRSSIG:1948] Re: simultaneous winaprs&JNOS
To: aprssig@tapr.org
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Subject: [APRSSIG:1948] Re: simultaneous winaprs&JNOS

From: Mark Sproul <sproul@ap.org> at Internet-Mail
Date: 6/14/96 13:27

>\$64 question: Is it possible to route the correct information, each to
>its own program: aprs info to winaprs, and bbs info to JNOS? Or is it
>possible to configure windows so that both programs get both information
>and then each recognizes its own??
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>73s de Jon
>

NO, it is not possible to get 2 programs to both talk to the same port. It
is possible to create a virtual com port that does the splitting, you have
to be a very good low level driver software person to do this. The answer
is the same for Mac and for Windows.

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

----->

Planning ahead has never been my strong suit - re my last posting on KISS/NOS
and APRS, the URL below has a good description of what a tnc in KISS mode really
does, and how NOS works with that mode:

<http://www.eexi.gr/~sv1rd/kiss.txt>

73
Doug
KC7CO

From w2g3zfvj@unix.asb.com Fri Jun 14 16:52:51 1996
Received: from unix.asb.com (root@unix.asb.com [165.254.128.4]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id QAA03959 for <aprssig@tapr.org>; Fri, 14 Jun 1996
16:51:45 -0500 (CDT)
Received: from asb18 (sfs8.asb.com [165.254.128.18]) by unix.asb.com
(8.6.12/8.6.9) with SMTP id RAA01404 for <aprssig@tapr.org>; Fri, 14 Jun 1996
17:53:40 -0400
Message-Id: <199606142153.RAA01404@unix.asb.com>
X-Sender: w2g3zfvj@unix.asb.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 14 Jun 1996 17:45:13 -0400
To: aprssig@tapr.org
From: w2g3zfvj@unix.asb.com (bob)

Subject: winAPRS/win95, extra serial ports.

X-Mailer: <PC Eudora Version 1.4>

Hi There

I want to hook up my Ultimeter II to my PC to work under win95. Now I know that winAPRS can work with any serial port however I'm not sure where I can get an extra serial card to work on com5 etc. I've had a look round the local computer shows but no joy. Anyone got any ideas? Is it possible to modify a standard serial card to work at another address? Do I need a TSR program to run the extra serial cards?

Any help appreciated

BTW any word on an upgrade/bug fix for winAPRS?

73 de bob w2/g3zfj
w2g3zfj@unix.asb.com

From rwf@mindspring.com Fri Jun 14 17:07:31 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA04377 for <aprssig@tapr.org>; Fri, 14 Jun 1996 17:07:25 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id SAA05748 for <aprssig@tapr.org>; Fri, 14 Jun 1996 18:07:17 -0400

Message-Id: <2.2.32.19960614220757.009ab018@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 14 Jun 1996 18:07:57 -0400

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: AutoWX Problems?

There's a fella over in Alabama running AutoWX. He is about to drive our net crazy by outputting erroneous info setting off our WX alarms.

When the alarms go off, he is showing 9.99 inches of rain. Is there something he should be doing, or a different version of AutoWX he should be running? I think I remember the Author is here on the SIG. Or is this an APRS problem? Bob can we tell APRS to IGNORE all wx alarms?

I'm sure AutoWX is a versatile program, but unless we can get this guy to cut out the false alarms, we'll have to do something to stop his packets from propogating.

Ralph

From AlChan@aol.com Fri Jun 14 17:25:38 1996

Received: from emout15.mail.aol.com (emout15.mx.aol.com [198.81.11.41]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA04829 for <aprssig@tapr.org>; Fri, 14 Jun 1996 17:25:33 -0500 (CDT)

From: AlChan@aol.com
Received: by emout15.mail.aol.com (8.6.12/8.6.12) id SAA22352; Fri, 14 Jun 1996 18:25:10 -0400
Date: Fri, 14 Jun 1996 18:25:10 -0400
Message-ID: <960614182508_328502014@emout15.mail.aol.com>
To: aprssig@tapr.org, alchan@ix.netcom.com
Subject: HOW ACCURATE is the clock?

HOW ACCURATE does the clock on the GPS receiver have to be? I am curious. A "radar mile" is 12.359 microseconds. That means, if the time of the GPS receiver was OFF by only 3 microseconds, the positions would be HALF a mile OFF. Is that true?

How does the GPS receiver set its local TIME?

Wes Jones wrote:

>>>Obviously, time is very critical and the satellites broadcast time ticks >>>so everyone can "synchronize their watches".

IF the GPS receiver's clock were to "synchronize" by the signal from a satellite, wouldn't the observer (at the GPS receiver) have to know how far the satellite was away FIRST, before he could determine the TRANSIT time, and hence the LOCAL time? I can't figure out which should come first. I can't determine (in my mind) how to find the distance from the satellite without knowing the transit time. And it is impossible to determine the local time; and transit time from the satellite without knowing first the exact distance between the satellite and the GPS receiver because of propagation delay. It takes TIME for the signal to travel.

I understand how DME (distance measure equipment for aviation) can work because the transceiver KNOWS what time the interrogation signal goes out; and what time the reply signal comes in. But the GPS has no interrogation signal. How does it work?

I am new in this. Please enlighten me. Thanks.

-al

Alchan@aol.com

From bruninga@nadn.navy.mil Fri Jun 14 17:54:23 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA06135 for <aprssig@tapr.org>; Fri, 14 Jun 1996 17:54:19 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id SAA02134; Fri, 14 Jun 1996 18:55:13 -0400
Date: Fri, 14 Jun 1996 18:55:13 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org

Subject: Re: Weather System Comparison
In-Reply-To: <2.2.32.19960614183510.0067d35c@mailhost.primenet.com>
Message-ID: <Pine.SUN.3.91.960614180706.1547B-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jun 1996, Alan K. Unangst summarized the two APRS compatible weather instruments. I have added some remarks shown in [brackets]. Primarily, indoor humidity is not a Weather condition and is not needed in APRS. Options not needed in APRS are marked with an asterix (*).

>	Davis Weather Monitor II	Peet's Ulitmeter 2000
>		
> Console	\$395.00	\$379.00
> Ext. Temp/Hum sensor	125.00	110.00
> Inside Hum. sensor	Included	100.00*
> Rain Collector (0/.01")	75.00	90.00
> Data Logger [serial intfc]	165.00	included
> Software [included with logger]		69.00*
> Duplex Cable	n/a	9.00
>	-----	-----
> [Minimum Full APRS sys]	\$760.00	\$588.00
>		
> Total [w indoor humidity]	\$760.00	[& logging software] \$757.00
>		
> Heated Anemometer	no	(upgrade) yes
> Weather talker	yes	no
> Requires Dedicated Computer	no	yes
> [for continuous data logging]		
> [Requires Dedicated Computer]	[yes]	[no]
> [for APRS operation with TNC]		
> NASA Ambassador Program Approved	yes	no
> High/Lows	yes	yes
> Accessories	19	11
> Phone modem adapter	yes	[yes]
> Wireless rain gauge	no	yes

APRSDos REPLY COMMENT: I don't know what NASA Ambassador Program Approval means. Nor do I know what the 19 and 11 options are. I changed the modem indicator to [yes] for PEET because his serial interface has 4 modes, packet, logger, modem and verbose. The Peet system will operate stand-alone with any GPS compatible TNC (except MFJ). Hope this is helpful...

de wb4apr@amsat.org

From Jon.T.Adams@jpl.nasa.gov Fri Jun 14 17:56:57 1996
Received: from elxr.jpl.nasa.gov (elxr-fddi.jpl.nasa.gov [137.78.71.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA06169 for <aprssig@tapr.org>; Fri, 14 Jun 1996 17:56:53 -0500 (CDT)
Received: from alcina.jpl.nasa.gov (alcina.jpl.nasa.gov [137.78.72.152]) by elxr.jpl.nasa.gov (8.6.12/8.6.6) with SMTP id QAA22814 for <aprssig@tapr.org>; Fri, 14 Jun 1996 16:02:06 -0700
X400-Received: by /c=us/admd=telemail/prmd=nasa/; converted (IA5-Text);

Relayed; 14 Jun 1996 15:54:30 -0700
X400-Received: by mta Proteus in /c=us/admd=telemail/prmd=nasa/; converted (IA5-Text); Relayed; 14 Jun 1996 15:54:30 -0700
X400-MTS-Identifier: [/c=us/admd=telemail/prmd=nasa/; 010DB31C1EDA6538-Proteus]
Content-Identifier: 010DB31C1EDA6538
Content-Return: Allowed
X400-Content-Type: P2-1988 (22)
Conversion: Allowed
Original-Encoded-Information-Types: IA5-Text
Priority: normal
Disclose-Recipients: Prohibited
Alternate-Recipient: Allowed
X400-Originator: Jon.T.Adams@jpl.nasa.gov
X400-Recipients: non-disclosure;
Message-Id:
 <010DB31C1EDA6538*/c=us/admd=telemail/prmd=nasa/o=jpl/ou=ccmail/s=Adams/g=Jon/i=T/@MHS>
Date: 14 Jun 1996 15:54:30 -0700
From: "Jon T Adams" <Jon.T.Adams@jpl.nasa.gov>
To: "aprssig@tapr.org" <aprssig@tapr.org> (Return requested),
 "w2g3zfej@unix.asb.com" <w2g3zfej@unix.asb.com> (Return requested)
Subject: Re: [APRSSIG:1952] winAPRS/win95, extra serial ports.
MIME-Version: 1.0

Win 95 will allow up to COM8 with any available (or otherwise not reserved) IRQ. Mouse Systems manufactures a device called (strangely enough) "COM-5", which has a large, jumperable variety of IRQs and addresses.

Most of the multi-EIDE cards nowadays have a fair selection of IRQs and can be installed without enabling the disk controllers. However, they generally don't support beyond the four basic addresses...

There are several quad-port cards out (one I saw at Fry's here for under \$100) that have a bunch of addresses and a bunch of IRQs.

73 - Jon NW6H

p.s. Now if someone could just come up with a box that had a Tbase10 jack on one side and a pile of com ports on the other, and software that would allow the use of theose com ports as virtual com ports for a networked computer, and that it could run on NT, then I'd be set!

----- Reply Separator -----
Subject: [APRSSIG:1952] winAPRS/win95, extra serial ports.
Author: w2g3zfej@unix.asb.com at Internet
Date: 6/14/96 3:29 PM

Hi There

I want to hook up my Ultimeter II to my PC to work under win95. Now I know that winAPRS can work with any serial port however I'm not sure where I can get an extra serial card to work on com5 etc. I've had a look round the local computer shows but no joy. Anyone got any ideas? Is it possible to modify a standard serial card to work at another address? Do I need a TSR program to run the extra serial cards?

Any help appreciated

BTW any word on an upgrade/bug fix for winAPRS?

73 de bob w2/g3zgj
w2g3zgj@unix.asb.com

From bruninga@nadm.navy.mil Fri Jun 14 18:06:39 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA06579 for <aprssig@tapr.org>; Fri, 14 Jun 1996 18:06:35 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id TAA02251; Fri, 14 Jun 1996 19:07:28 -0400
Date: Fri, 14 Jun 1996 19:07:27 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1946] GPS ant. pre-amp offer.
In-Reply-To: <2.2.32.19960614075832.007280ac@seism1.ess.sunysb.edu>
Message-ID: <Pine.SUN.3.91.960614185627.1547C-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jun 1996, Bernard Seront wrote about some cheap RF amps for GPS applications and a group purchase. I asked him about the noise figure and he says it is 3 dB. Does anyone know what the typical noise figure is for the hand held GPS front ends?

If they are 3dB or worse, then the RF amps will be just fine for remote antennas to overcome cable loss. If your hand held has a better front end, however, then the RF amp will allow you to use a long cable, but the performance can never be quite as good as the antenna in the unit.

BUT lets say that the GPS specs say you have a 3dB noise figure receiver BUT it is using an internal patch antenna, then your remote RF amplified antenna could do much better if you use a *full size* GPS antenna. Full size meaning 1/4 wavelength size in air as opposed to the small patch antennas that are less effecient because they have a smaller capture area. Do the MFRs that quote a noise figure for their handhelds included the inneffeciency of the small patches?

These RF amps sound like a good deal to me... But I dont know what the typical specs are for the handhelds?

de wb4apr@amsat.org

From gerry@cs.tamu.edu Fri Jun 14 18:07:27 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA06602 for <aprssig@tapr.org>; Fri, 14 Jun 1996 18:07:24 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id SAA29565 for <aprssig@tapr.org>; Fri, 14 Jun 1996 18:06:49 -0500
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id SAA24012; Fri, 14 Jun 1996 18:05:45 -0500
Date: Fri, 14 Jun 1996 18:05:44 -0500 (CDT)
From: Gerald J Creager <gerry@cs.tamu.edu>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1954] HOW ACCURATE is the clock?
In-Reply-To: <960614182508_328502014@emout15.mail.aol.com>
Message-ID: <Pine.SUN.3.91.960614180235.22804B-100000@solar>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The GPS *should* derive its local time from the GPS time and add leap-seconds as indicated by the almanac. Since all a good GPS receiver is, is a very accurate clock, most of them have pretty good local stability for time-keeping, and resync when they acquire GPS time from the birds. Now: Computation of time may vary significantly. The time displayed can be the last second, the time when the last fix was calculated, or the instantaneously decoded time (!) and there's a lag in determining which is what. If you're really serious about timing, you get the 1 Pulse Per Second option, and look at (as appropriate per manufacturer) the leading or trailing edge for your timing.

Gerry
n5jxs@tamu.edu

From bruninga@nadn.navy.mil Fri Jun 14 18:27:57 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA07365 for <aprssig@tapr.org>; Fri, 14 Jun 1996 18:27:53 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id TAA02487; Fri, 14 Jun 1996 19:28:46 -0400
Date: Fri, 14 Jun 1996 19:28:46 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
cc: rwf <rwf@mindspring.com>
Subject: Atlanta Maps
Message-ID: <Pine.SUN.3.91.960614175244.1547A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am busy doing some Atlanta detail maps for the Olympics. This heads up so we don't duplicate efforts. I have modified almost all of the GA maps in one way or another that were in the APRSBSRG.zip file. So if anyone has added anything to those maps since that BSRG file, then you better get the changes to me, or hold off till I post the new ones.

All of the big maps GA-1 through GA-XX, I changed the SIZE from 65 down to the real size of the map of about 36 miles

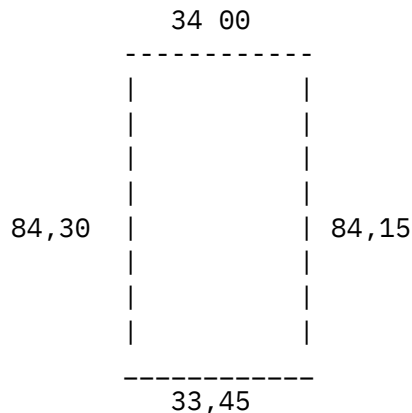
All of the GAAT-14 thru GAAT-34, I changed from 2.2 down to 1.1 mile maps and changed the scale from 10500 PPD to 21000 PPD to give double the resolution. On GAAT-28 I have drawn in the stadium and 10K race route.

I have built a new GA-ATL4 map that covers the same area as all the GAAT-xx maps. It is a 3.6 mile map.

I have built a GA-ATL1 map which is centered on the four corners of GAAT-21 22,27 and 28.

I am waiting on the detail route information for the Olympic Marathon and then I will try to get Bill and Ralph to help me finish street level maps along that route... It looks like it starts north of twon and goes down Peachtree. I assume it ENDS in the stadium. I know that Mile 15 is at the intersection of Peachtree and Pharr Road. Mile 18 is at Peach Tree and Lakeview Ave.

RALPH, can you use the EXTRACT program to extract the files that cover that area on down to the Stadium? I only like to use one 15x15 grid at a time, and it looks like all of this area is in the grid



Extract only that 15x15 cell, then ZIP up the files and post them on Mindspring.

Then send me a message telling me the FTP address. THANKS !!!!
Maybe ZIP each file and then tell me the name of the 4 ZIPPED files.
That way if I get an error, it will take less time to try again...
EXTRACT all feateures...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Fri Jun 14 18:30:18 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA07630 for <aprssig@tapr.org>; Fri, 14 Jun 1996 18:30:13 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id TAA02509; Fri, 14 Jun 1996 19:30:59 -0400
Date: Fri, 14 Jun 1996 19:30:59 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1953] AutoWX Problems?
In-Reply-To: <2.2.32.19960614220757.009ab018@mindspring.com>
Message-ID: <Pine.SUN.3.91.960614192924.2428A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jun 1996, rwf wrote:

> There's a fella over in Alabama running AutoWX. He is about to drive our
> net crazy by outputting erroneous info setting off our WX alarms.
> When the alarms go off, he is showing 9.99 inches of rain. Is there

APRSDos REPLY COMMENT: The only way to disable APRS alarms is to set the values outrageously high. In the case of rain, 9.99 is the maximum value. SO I cannot turn this off in APRS...

de wb4apr@amsat.org

From alanwc7r@primenet.com Fri Jun 14 19:36:54 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTMP id TAA11127 for <aprssig@tapr.org>; Fri, 14 Jun 1996 19:36:50 -0500 (CDT)
Received: from primenet.com (root@usr5.primenet.com [198.68.32.15]) by mailhost1.primenet.com (8.7.5/8.7.1) with ESMTMP id RAA18053 for <aprssig@tapr.org>; Fri, 14 Jun 1996 17:36:35 -0700 (MST)
Received: from wc7r (ip210.prc.primenet.com [204.212.56.210]) by primenet.com (8.7.5/8.7.3) with SMTP id RAA03981 for <aprssig@tapr.org>; Fri, 14 Jun 1996 17:36:33 -0700 (MST)
Message-Id: <2.2.32.19960614233623.00687ca4@mailhost.primenet.com>
X-Sender: alanwc7r@mailhost.primenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 14 Jun 1996 17:36:23 -0600
To: aprssig@tapr.org
From: "Alan K. Unangst" <alanwc7r@primenet.com>
Subject: Re: [APRSSIG:1955] Re: Weather System Comparison

Thanks, Bob. The Ambassador Teacher's Program is a NASA sponsored program, of some type, I could not find any such approval for the Peet bro's system. The options are what is available as add ons. Davis has 19 different "goodies" that can be purchased, Peet has 11. This is for the Weather guru who wants it all. I am currently doing a side by side comparison of the two

systems, and I can not find much difference in the accuracy....Oh well some like mashed potatoes some like french fries...to each his own. I hope that more people will get on the air with Wx, I don't care what they use, a rectal thermometer, wind sock & compass, and a tin cup are OK by me...If it is accurate!!!

73, and Thanks for the help!!! Alan

At 06:08 PM 6/14/96 -0500, you wrote:

>On Fri, 14 Jun 1996, Alan K. Unangst summarized the two APRS compatible
>weather instruments. I have added some remarks shown in [brackets].

>Primarily, indoor humidity is not a Weather condition and is not needed
>in APRS. Options not needed in APRS are marked with an asterix (*).

```
>
>>                Davis Weather Monitor II                Peet's Ulitmeter 2000
>>
>> Console                        $395.00                        $379.00
>> Ext. Temp/Hum sensor           125.00                        110.00
>> Inside Hum. sensor             Included                      100.00*
>> Rain Collector (0/.01")        75.00                        90.00
>> Data Logger [serial intfc]     165.00                      included
>> Software [included with logger]                69.00*
>> Duplex Cable                   n/a                          9.00
>>                                -----
>> [Minimum Full APRS sys]        $760.00                      $588.00
>>
>> Total [w indoor humidity]      $760.00    [& logging software]    $757.00
>>
>> Heated Anemometer              no                          (upgrade) yes
>> Weather talker                  yes                          no
>> Requires Dedicated Computer     no                          yes
>>   [for continuous data logging]
>> [Requires Dedicated Computer]   [yes]                      [no]
>>   [for APRS operation with TNC]
>> NASA Ambassador Program Approved yes                          no
>> High/Lows                       yes                          yes
>> Accessories                     19                          11
>> Phone modem adapter             yes                          [yes]
>> Wireless rain gauge             no                          yes
>
```

>APRSDos REPLY COMMENT: I don't know what NASA Ambassador Program Approval
>means. Nor do I know what the 19 and 11 options are. I changed the modem
>indicator to [yes] for PEET because his serial interface has 4 modes,
>packet, logger, modem and verbose. The Peet system will operate stand-alone
>with any GPS compatible TNC (except MFJ). Hope this is helpful...

>
>de wb4apr@amsat.org
>

>
Alan K. Unangst, WC7R
E-mail: alanwc7r@primenet.com

Packet: WC7R @ KB7FRV

From bruninga@nadm.navy.mil Fri Jun 14 19:54:50 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA11995 for <aprssig@tapr.org>; Fri, 14 Jun 1996 19:54:46 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id UAA03120; Fri, 14 Jun 1996 20:55:41 -0400
Date: Fri, 14 Jun 1996 20:55:38 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: MIC Encoder COverage Plotting
Message-ID: <Pine.SUN.3.91.960614204821.3031B-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A local repeater sysop tonight got excited about putting a TNC at his repeater since it can be used along with APRS mobiles to plot a perfect COVERAGE profile of his repeater!

All he does, is collect every Position report ever heard by his repeater. Plotting days or weeks or months of these will cover the map with dots showing where he has GOOD coverage. Marginal or weak packet posits will most likely not be plotted. So the resulting plot will show the reliable coverage of the voice repeater!

You might say that most of the DOTS will just be along the major highways... Well, isnt that where most mobiles will be anyway? Its usually mobile coverage that most repeaters are interested in anyway...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Fri Jun 14 19:59:18 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA12113 for <aprssig@tapr.org>; Fri, 14 Jun 1996 19:59:15 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id VAA03175; Fri, 14 Jun 1996 21:00:10 -0400
Date: Fri, 14 Jun 1996 21:00:10 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1954] HOW ACCURATE is the clock?
In-Reply-To: <960614182508_328502014@emout15.mail.aol.com>
Message-ID: <Pine.SUN.3.91.960614205701.3031C-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jun 1996 AlChan@aol.com wrote:

>
> HOW ACCURATE does the clock on the GPS receiver have to be? I am
> curious. A "radar mile" is 12.359 microseconds. That means, if the
> time of the GPS receiver was OFF by only 3 microseconds, the
> positions would be HALF a mile OFF. Is that true?

>

> How does the GPS receiver set its local TIME?

APRSDos REPLY COMMENT: The whole concept of GPS is that the GPS receiver computes the time of arrival of all signals and therefore can infer what the precise time is on the satellites. The GPS-20 board being sold by TAPR has this precise time output in the form of a 1 pulse per second. But the edge of that pulse is accurate worldwide to under 1 microsecond.

de wb4apr@amsat.org

From 0004818186@mcimail.com Fri Jun 14 20:28:29 1996

Received: from gatekeeper2.mcimail.com (gatekeeper2.mcimail.com [192.147.45.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA13466 for <aprssig@tapr.org>; Fri, 14 Jun 1996 20:28:22 -0500 (CDT)

Received: from mailgate2.mcimail.com (mailgate2.mcimail.com [166.40.135.23]) by gatekeeper2.mcimail.com (8.6.12/8.6.10) with SMTP id BAA26058; Sat, 15 Jun 1996 01:31:22 GMT

Received: from mcimail.com by mailgate2.mcimail.com id bn04400;
15 Jun 96 1:27 WET

Date: Fri, 14 Jun 96 19:52 EST

From: Miami Network <0004818186@mcimail.com>

To: aprssig <aprssig@tapr.org>

Subject: Re: [APRSSIG:1953] AutoWX Problems?

Message-Id: <04960615005240/0004818186NA1EM@MCIMAIL.COM>

In case the author does not answer one thing to check real quickly is the Peet Wx Station. It must be set to Complete Record Mode!

I don't remember the key sequence but it is in the documentation.

We just installed AutoWx last week at N4PBF and it works just elegantly!

The National Hurricane Center in Miami just got a demonstration and they were just overtaken with the ability to query a remote site, find out the weather and compare it with other locations!

It is a well timed contribution and South Florida will gain optimal use of this software!

73, Seymour, KC4NMY

From wmtv.tom.weeden@madison-business.com Fri Jun 14 20:53:09 1996

Received: from fullfeed.msn.fullfeed.com (fullfeed.msn.fullfeed.com [199.184.182.42]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA14775 for <APRSSIG@TAPR.ORG>; Fri, 14 Jun 1996 20:53:06 -0500 (CDT)

Received: from GANDHI.UUCP by fullfeed.msn.fullfeed.com (8.6.9/FF-1.1) id UAA03793; Fri, 14 Jun 1996 20:52:55 -0500

Received: by GANDHI (Searchlight Umail) with UUCP id BECBDB for APRSSIG@TAPR.ORG;
Fri, 14 Jun 96 19:20:00 CST
To: APRSSIG@tapr.org
Subject: RE: Re: Emergency Alert System
From: wmtv.tom.weeden@madison-business.com
Message-ID: <MAIL.4B369CAB@madison-business.com>
Date: Fri, 14 Jun 96 08:43:00 CST
Organization: Madison Area Business Board

----- <Original Message> -----
>From: PAUL MANNING[SMTP:MANNING_P@wfum.flint.umich.edu]
>Sent: Thursday, June 13, 1996 4:25 PM
>To: aprssig@tapr.org
>Subject: [APRSSIG:1928] Emergency Alert System
>
>> Hello to the Bob and the group,
>
>> I was wandering Bob, what was in the plans for APRS with the new
>
>> EAS (Emergency Alert System) around the corner.
>
>I've never heard of EAS - is it the same as SAME - the Specific Area
>Message Encoder that NOAA is beginning to install at its weather radio
>stations?
>
>There's been a discussion of SAME on the ham-wx mailing list.
>
>73 de KB9JTT

The Emergency Alert System is the replacement to the Emergency Broadcast System. EBS is based on the long two-tone alert which every radio and TV station tests once a week ("This is a test..."). EAS adds FSK signaling in a header which encodes the type of emergency, the date/time, who originated it, etc., followed by the same two-tone alert, then a voice message, then an EOM packet. EAS will begin for broadcasters on Jan. 1 1997. EAS is not the same as SAME on NOAA weather radio, but they are compatible...in fact, a lot of broadcast stations will be monitoring wx radio and retransmitting the FSK headers/voice message since they are compatible.

I'm part of the committee planning the South Wisconsin Operational Area "local" plan for EAS, and am trying to find out how amateur radio will interface with the EAS system. The new EAS rules are found in the new Part 11 in the FCC rulebook. More info on EAS can be found on the Society of Broadcast Engineers' web site at <http://www.sbe.org>

-73-

Tom Weeden, WJ9H
Chief Engineer, WMTV
Madison WI

From lcb911@apex2000.net Fri Jun 14 22:36:33 1996
Received: from starone.apex2000.net (starone.apex2000.net [207.18.66.3]) by

tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA18393 for <aprssig@tapr.org>; Fri, 14 Jun 1996 22:36:20 -0500 (CDT)
Received: from [207.18.66.233] by starone.apex2000.net (NTMail 3.01.03) id ka022942; Fri, 14 Jun 1996 22:37:04 -0500
Message-Id: <1.5.4.16.19960614223636.10fffde6@apex2000.net>
X-Sender: lcb911@apex2000.net
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Les Blalock <lcb911@apex2000.net>
Subject: Re: [APRSSIG:1953] AutoWX Problems?
Date: Fri, 14 Jun 1996 22:37:03 -0500

At 05:27 PM 6/14/96 -0500, you wrote:

>There's a fella over in Alabama running AutoWX. He is about to drive our
>net crazy by outputting erroneous info setting off our WX alarms.
>
>When the alarms go off, he is showing 9.99 inches of rain. Is there
>something he should be doing, or a different version of AutoWX he should be
>running? I think I remember the Author is here on the SIG. Or is this an
>APRS problem? Bob can we tell APRS to IGNORE all wx alarms?
>
>I'm sure AutoWX is a versatile program, but unless we can get this guy to
>cut out the false alarms, we'll have to do something to stop his packets
>from propogating.
>
>Ralph
>

He has an older version of AutoWx that used 999 to indicate the program had received invalid data. I originally thought that would attract the user's attention to the problem so he could fix it. I didn't realize the conflict with the APRS alarms until Bob pointed it out and then it was changed.

If you can contact the guy, have him download the newer version from the ARRL BBS. Or... if you will furnish his callsign (by personal e-mail to me) I'll mail him a diskette with a newer version of AutoWx.

The problem is the result of an invalid setting or the 999 wouldn't be showing up. However, it was a mistake on my part to use 999 in the first place. (Newer versions use 000)

Les/N5K0A
lcb911@apex2000.net

From gerry@cs.tamu.edu Fri Jun 14 22:41:16 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA18472 for <aprssig@tapr.org>; Fri, 14 Jun 1996 22:41:14 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id WAA02773 for <aprssig@tapr.org>; Fri, 14 Jun 1996 22:40:41 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id WAA25263 for aprssig@tapr.org; Fri, 14 Jun 1996 22:39:36 -0500
Message-Id: <199606150339.WAA25263@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1957] Re: GPS ant. pre-amp offer.
To: aprssig@tapr.org
Date: Fri, 14 Jun 1996 22:39:36 -0500 (CDT)
In-Reply-To: <Pine.SUN.3.91.960614185627.1547C-1000000@arctic> from "Bob Bruninga" at Jun 14, 96 06:16:21 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I can go looking for the data (it's at work, and I'm at home) but a NF of 3 dB is marginal from what I recall. M/A Com uses some 1 dB parts for their preamps. With the gain figures some of the manufacturers claim (Trimble comes to mind) a gain of 40 dB (no kidding!) and a 3 dB noise figure could be painful. Of course, most of the mfgs plan to have the preamp at the antenna...

gerry

From wnolle@ix.netcom.com Fri Jun 14 22:45:37 1996
Received: from dfw-ix11.ix.netcom.com (dfw-ix11.ix.netcom.com [206.214.98.11]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA18616 for <aprssig@tapr.org>; Fri, 14 Jun 1996 22:45:33 -0500 (CDT)
Received: from LOCALNAME (hun-a12-17.ix.netcom.com [205.184.6.81]) by dfw-ix11.ix.netcom.com (8.6.13/8.6.12) with SMTP id UAA18924 for <aprssig@tapr.org>; Fri, 14 Jun 1996 20:45:14 -0700
Message-ID: <31C24DE6.6848@ix.netcom.com>
Date: Fri, 14 Jun 1996 22:45:10 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Mapmaking
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob do you have Jacks correct e-mail address. I used the one he used to send me the beta version of his latest software but it bounced back.

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From cedgar@pacificnet.net Fri Jun 14 23:12:08 1996
Received: from polaris.pacificnet.net (root@polaris.pacificnet.net [205.199.120.250]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA19460 for <aprssig@tapr.org>; Fri, 14 Jun 1996 23:12:00 -0500 (CDT)

Received: from pm1-20.pacificnet.net (pm1-20.pacificnet.net [206.101.8.150]) by
polaris.pacificnet.net (8.6.11/8.6.11) with SMTP id VAA02993 for
<aprssig@tapr.org>; Fri, 14 Jun 1996 21:06:34 -0700
Date: Fri, 14 Jun 1996 21:06:34 -0700
Message-Id: <199606150406.VAA02993@polaris.pacificnet.net>
X-Sender: cedgar@pacificnet.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: clyde edgar <cedgar@pacificnet.net>
Subject: Re: [APRSSIG:1954] HOW ACCURATE is the clock?

Wes is quite correct regarding the timing accuracy required by GPS. The receiver clock is corrected with a bias that is computed as part of the GPS navigation solution. The four variables solved for are x,y,z for position and t to correct the receiver time. What makes GPS work are the miniature atomic standards that fly on it, 2 each Rubidium and 2 each Cesium standards. There is a GPS home page on internet that contains a tremendous amount of information on the system, I'll post it later. Clyde- WA6DCM

At 05:31 PM 6/14/96 -0500, you wrote:

>
>HOW ACCURATE does the clock on the GPS receiver have to be? I am
>curious. A "radar mile" is 12.359 microseconds. That means, if the
>time of the GPS receiver was OFF by only 3 microseconds, the
>positions would be HALF a mile OFF. Is that true?
>
>How does the GPS receiver set its local TIME?
>
>Wes Jones wrote:
>
>>>>Obviously, time is very critical and the satellites broadcast
>time ticks >>>so everyone can "synchronize their watches".
>
>IF the GPS receiver's clock were to "synchronize" by the signal from
>a satellite, wouldn't the observer (at the GPS receiver) have to
>know how far the satellite was away FIRST, before he could determine
>the TRANSIT time, and hence the LOCAL time? I can't figure out which
>should come first. I can't determine (in my mind) how to find the
>distance from the satellite without knowing the transit time. And it
>is impossible to determine the local time; and transit time from the
>satellite without knowing first the exact distance between the
>satellite and the GPS receiver because of propagation delay. It
>takes TIME for the signal to travel.
>
>I understand how DME (distance measure equipment for aviation) can
>work because the transceiver KNOWS what time the interrogation
>signal goes out; and what time the reply signal comes in. But the
>GPS has no interrogation signal. How does it work?
>

>I am new in this. Please enlighten me. Thanks.

>

> -al

> "*****"

> Alchan@aol.com

>

>

>

>

From sdimse@bridge.net Fri Jun 14 23:34:52 1996

Received: from relay4.UU.NET (relay4.UU.NET [192.48.96.14]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id XAA20481 for <aprssig@tapr.org>; Fri, 14 Jun 1996 23:34:49 -0500 (CDT)

Received: from bridge.net by relay4.UU.NET with ESMTP (peer crosschecked as: newworld.bridge.net [204.253.4.4]) id QQaudu03083; Sat, 15 Jun 1996 00:34:52 -0400 (EDT)

Received: from [204.253.4.90] (ppp-mia2-90.bridge.net [204.253.4.90]) by bridge.net (8.7.5/8.7.3) with SMTP id AAA02675 for <aprssig@tapr.org>; Sat, 15 Jun 1996 00:31:55 -0400 (EDT)

Message-Id: <199606150431.AAA02675@bridge.net>

Subject: Re: [APRSSIG:1943] RE>Re: Nexrad

Date: Sat, 15 Jun 96 00:34:39 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>Regarding displaying the Nexrad data, how can you get the data to begin
>with?

>

Easy, just walk into the local NWS office dragging a very long RS-232 cable, and nicely ask permission to tap into their serial weather product data stream ;-)

From weather@xnet.com Sat Jun 15 02:11:11 1996

Received: from flood.xnet.com (flood.xnet.com [198.147.221.35]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id CAA01987 for <aprssig@tapr.org>; Sat, 15 Jun 1996 02:11:09 -0500 (CDT)

Received: from weather.xnet.com by flood.xnet.com (8.7.5/XNet-1.4R) with SMTP id CAA27629 for <aprssig@tapr.org>; Sat, 15 Jun 1996 02:11:37 -0500 (CDT)

Date: Sat, 15 Jun 1996 02:11:37 -0500 (CDT)

Message-Id: <199606150711.CAA27629@flood.xnet.com>

X-Sender: weather@quake.xnet.com

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Ron Malinowski <weather@xnet.com>

Subject: Re: [APRSSIG:1955] Re: Weather System Comparison

>On Fri, 14 Jun 1996, Alan K. Unangst summarized the two APRS compatible
>weather instruments. I have added some remarks shown in [brackets].

>Primarily, indoor humidity is not a Weather condition and is not needed
>in APRS. Options not needed in APRS are marked with an asterix (*).

>

>>	Davis Weather Monitor II	Peet's Ulitmeter 2000
>>	Weather talker	yes no

I was wondering are you referring to the ability for it to announce the information verbally? Peet Bros did have a unit at Dayton that you can interface with the Ulitmeter and it does announce the data in Australian :-) down under via phone or touch tones. I am not sure how elaborate the Davis is, but I thought it would be neat if you can use one weather station and have it hooked up to APRS, and available to access on a repeater also, dont know if possible, I guess its a matter if you can splice a data stream and still maintain the voltage for a readable data to both units.

Ron

N9QGS

From sdimse@bridge.net Sat Jun 15 04:40:07 1996

Received: from relay1.UU.NET (relay1.UU.NET [192.48.96.5]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id EAA06611 for <aprssig@tapr.org>; Sat, 15 Jun 1996 04:40:05 -0500 (CDT)

Received: from bridge.net by relay1.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQaueo01916; Sat, 15 Jun 1996 05:40:09 -0400 (EDT)

Received: from [204.253.4.46] (ppp-mia1-46.bridge.net [204.253.4.46]) by bridge.net (8.7.5/8.7.3) with SMTP id FAA21976 for <aprssig@tapr.org>; Sat, 15 Jun 1996 05:37:16 -0400 (EDT)

Message-Id: <199606150937.FAA21976@bridge.net>

Subject: Re: [APRSSIG:1969] Re: HOW ACCURATE is the clock?

Date: Sat, 15 Jun 96 05:40:03 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>IF the GPS receiver's clock were to "synchronize" by the signal from
>a satellite, wouldn't the observer (at the GPS receiver) have to
>know how far the satellite was away FIRST, before he could determine
>the TRANSIT time, and hence the LOCAL time? I can't figure out which
>should comes first. I can't determine (in my mind) how to find the
>distance from the satellite without knowing the transit time. And it
>is impossible to determine the local time; and transit time from the
>satellite without knowing first the exact distance between the
>satellite and the GPS receiver because of propagation delay. It
>takes TIME for the signal to travel.

>

The mathematics are not simple, but using simultaneous equations it can be solved, using an extra satellite. That's why it takes 3 sats for a 2d fix, 4 sats for a 3d fix. If your GPS already new the _exact_ time, only 2 sats would be needed for a 2d fix.

From wvolle@ix.netcom.com Sat Jun 15 08:02:34 1996

Received: from dfw-ix5.ix.netcom.com (dfw-ix5.ix.netcom.com [206.214.98.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA12417 for <aprssig@tapr.org>; Sat, 15 Jun 1996 08:02:30 -0500 (CDT)

Received: from LOCALNAME (hun-a11-13.ix.netcom.com [205.184.6.45]) by dfw-ix5.ix.netcom.com (8.6.13/8.6.12) with SMTP id GAA03730 for <aprssig@tapr.org>; Sat, 15 Jun 1996 06:02:12 -0700

Message-ID: <31C2D070.1E42@ix.netcom.com>

Date: Sat, 15 Jun 1996 08:02:08 -0700

From: William Nolle <wnolle@ix.netcom.com>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Maps

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I don't know if any of the mapbuilders are aware of this program called DLGVIEW. Its a big help i think in looking at the area you want to map and see how dense the data is. I did a view of the complete road file 3.5Meg of Huntsville,AL and it will show every road within that file, showing the heavy populated areas. To bad we can't just save that info to a file Hi. There is a file provided in basic that could be used to re-w-rite the software. It was written by a person named Sol Katz and is on one of the USGS sites. I did attempt to do a copy to combine all off the files (Roads, Hydro, etc) but that didn't work because it still only viewed the first file. One thing you do have to do and that is when downloading a file from the CD you will have to add the XXXX(.DLG) file extension to it. If anybody is interested i will try to find the URL for this file since i didn't save it as a bookmark Hi, but i do know where to look.

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From n4nr@vulcan.com Sat Jun 15 09:23:50 1996

Received: from koala.scott.net (root@koala.scott.net [204.181.147.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA14853 for <aprssig@tapr.org>; Sat, 15 Jun 1996 09:23:48 -0500 (CDT)

Received: from news.scott.net (root@news.scott.net [204.181.147.3]) by koala.scott.net (8.7.4/8.7.3) with ESMTP id JAA22674 for <aprssig@tapr.org>; Sat, 15 Jun 1996 09:23:41 -0500

Received: from vulcan.UUCP (vulcan@localhost) by news.scott.net (8.6.10/8.6.9) with UUCP id JAA15613 for aprssig@tapr.org; Sat, 15 Jun 1996 09:22:18 -0500

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1954] HOW ACCURATE is the clock?

From: n4nr@vulcan.com (N4NR)

Message-ID: <8C2921D.0012001903.uuout@vulcan.com>

Date: Sat, 15 Jun 96 09:01:00 -0600

Organization: B'ham Amateur Radio Gateway (vulcan.com)

Reply-To: n4nr@vulcan.com (N4NR)

References: <960614182508_328502014@emout15.mail.aol.com>

X-Mailreader: PCBoard Version 15.22

X-Mailer: PCBoard/UUOUT Version 1.20

-> HOW ACCURATE does the clock on the GPS receiver have to be? I am
-> curious. A "radar mile" is 12.359 microseconds. That means, if the
-> time of the GPS receiver was OFF by only 3 microseconds, the
-> positions would be HALF a mile OFF. Is that true?

Yes...The clock in the GPS rx does not have to be accurate enough to determine exact distance with ONE satellite. Think of it as getting distances from 3 different sats...each referenced to a GPS rx clock that's 3 us "off"...you would get three different locations...now draw a triangle connecting the dots...you are in the center of the triangle. The GPS rx resolves the center of that triangle. (or a three dimensional figure if >3 sats are involved)

This way, only the clocks on the sats themselves need atomic precision.

Does that help?

Dennis - N4NR

From n2czf@gate.net Sat Jun 15 09:28:34 1996

Received: from osceola.gate.net (root@osceola.gate.net [199.227.0.18]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA14908 for <aprssig@tapr.org>; Sat, 15 Jun 1996 09:28:31 -0500 (CDT)

From: n2czf@gate.net

Received: from 199.227.125.155 (wpbfl2-28.gate.net [199.227.125.155]) by osceola.gate.net (8.6.12/8.6.12) with SMTP id KAA97930 for <aprssig@tapr.org>; Sat, 15 Jun 1996 10:28:18 -0400

Date: Sat, 15 Jun 1996 10:28:18 -0400

Message-Id: <199606151428.KAA97930@osceola.gate.net>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:1962] MIC Encoder COverage Plotting

To: aprssig@tapr.org

In-Reply-To: <Pine.SUN.3.91.960614204821.3031B-1000000@arctic>

X-Mailer: SPRY Mail Version: 04.00.06.17

I did this the first day that my UHF repeater was up but without the bells and whistles. I just set up a HT on the repeater runing APRS then set off with my handypacket/gps driving. Since the repeater is mine and I would not clog up .79 I just set up the TNC to transmit every 10 seconds. I also had a good idea of how well it was doing since I set up the mobile to digi via the house. Everytime a packet that had a good S/N ratio made it thru the HT would digi it back so I had a immideate conformation even though I was 40 miles away. By the time I got home I already had a good idea of where it covered and confirmed it on the map!

73's De Rich N2CZF

n2czf@gate.net

Jupiter Farms Florida

Right now I'm having amnesia and deja vu at the same time. I think I've forgotten this before.

Steven Wright

From gerry@cs.tamu.edu Sat Jun 15 10:52:34 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA18503 for <aprssig@tapr.org>; Sat, 15 Jun 1996 10:52:32 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id KAA07523 for <aprssig@tapr.org>; Sat, 15 Jun 1996 10:51:59 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id KAA28566 for aprssig@tapr.org; Sat, 15 Jun 1996 10:50:57 -0500
Message-Id: <199606151550.KAA28566@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1972] Re: HOW ACCURATE is the clock?
To: aprssig@tapr.org
Date: Sat, 15 Jun 1996 10:50:56 -0500 (CDT)
In-Reply-To: <199606150937.FAA21976@bridge.net> from "Steve Dimse" at Jun 15, 96 04:57:44 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Steve Dimse sez:

>
> The mathematics are not simple, but using simultaneous equations it can
> be solved, using an extra satellite. That's why it takes 3 sats for a 2d
> fix, 4 sats for a 3d fix. If your GPS already knew the _exact_ time, only
> 2 sats would be needed for a 2d fix.

Er, ah... 'Fraid not. The solution for a GPS position is a spheroid of probability. Knowledge of the pseudorange of a satellite, based on almanac, ephemeris and clock solutions, yields a probability that you are on the surface of a sphere around the satellite. Intersection of that sphere with the earth's surface yields an approximate ellipse of positional probability. Adding a second satellite to the solution matrix places you within a volume of probability defined by the intersection of the spheres associated with pseudorange solutions for the 2 satellites. Resolution of the solution to a 2D position requires a third satellite, while resolution of the Z axis component requires a fourth. Even with precise time definition, you cannot resolve 2D fixes with 2 satellites... Sorry.

Gerry

From tdrumm@sparc.isl.net Sat Jun 15 12:02:06 1996
Received: from sparc.isl.net (root@sparc.isl.net [199.3.25.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA20747 for <aprssig@tapr.org>; Sat, 15 Jun 1996 12:02:03 -0500 (CDT)
Received: from ppp-51.isl.net (ppp-51.isl.net [199.3.25.100]) by sparc.isl.net

(8.7.4/8.7.3) with SMTP id MAA07855 for <aprssig@tapr.org>; Sat, 15 Jun 1996 12:07:40 -0500 (CDT)

Message-Id: <199606151707.MAA07855@sparc.isl.net>

X-Sender: tdrumm@sparc.isl.net

X-Mailer: Windows Eudora Version 1.4.3

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 15 Jun 1996 12:02:48 -0500

To: aprssig@tapr.org

From: tdrumm@sparc.isl.net (Tony Drumm)

Subject: GPS20 questions

I finally had a few minutes to connect up the GPS20 and see how it's working. I used a 7805 with a 9v battery which seemed to power it up fine. Connected it to the computer and used a com program to watch the data. Sure enough, I get a burst of messages once a second.

It seems to be finding satellites but will not come up with a fix. I moved it outside and have used both the "Blackjack" antenna and one of Bob's suggested 1.8" wire. The satellite data seems to be incomplete. The documentation for the GPGSV message says the SNR will be null if the satellite is not being tracked. Some are this way but others are also missing the elevation. Some have SNR but no elevation. Also, the time seems to be about 3 minutes slow according to my watch which is usually within 30 seconds or so of WWV.

Here's a sample of the data:

```
$PGRME,,,,,*4D
$GPVTG,,T,,M,,N,,K*4E
$GPRMC,155806,V,,,,,150696,,*33
$GPGGA,155806,,,,,0,00,,,M,,M,,*69
$GPGSA,A,1,,,,,,,,,,,,,*1E
$GPGSV,2,1,08,04,,090,,05,47,094,,07,,038,44,14,,302,*7C
$GPGSV,2,2,08,15,00,344,40,18,,175,,19,,073,,27,,060,*77
```

Any suggestions?

Tony Drumm

Rochester, MN

internet: tdrumm@isl.net

Packet: aa0sm@wd0gnk.#semn.mn.usa.na

From alanwc7r@primenet.com Sat Jun 15 12:44:03 1996

Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA22264 for <aprssig@tapr.org>; Sat, 15 Jun 1996 12:44:00 -0500 (CDT)

Received: from primenet.com (root@usr4.primenet.com [198.68.32.14]) by mailhost1.primenet.com (8.7.5/8.7.1) with ESMTP id KAA24107 for <aprssig@tapr.org>; Sat, 15 Jun 1996 10:43:57 -0700 (MST)

Received: from wc7r (ip198.prc.primenet.com [204.212.56.198]) by primenet.com (8.7.5/8.7.3) with SMTP id KAA05694 for <aprssig@tapr.org>; Sat, 15 Jun 1996 10:43:56 -0700 (MST)

Message-Id: <2.2.32.19960615164340.00682c30@mailhost.primenet.com>

X-Sender: alanwc7r@mailhost.primenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 15 Jun 1996 10:43:40 -0600
To: aprssig@tapr.org
From: "Alan K. Unangst" <alanwc7r@primenet.com>
Subject: Re: [APRSSIG:1971] Re: Weather System Comparison

Davis has a very good system, it's called WeatherTalker. It interfaces a computer to the Wx station and a phone line. It then, when asked, gives you the Wx information over the phone line, or radio..... Hope that this helps...Alan

At 02:11 AM 6/15/96 -0500, you wrote:

>>On Fri, 14 Jun 1996, Alan K. Unangst summarized the two APRS compatible
>>weather instruments. I have added some remarks shown in [brackets].
>>Primarily, indoor humidity is not a Weather condition and is not needed
>>in APRS. Options not needed in APRS are marked with an asterix (*).

>>

>>>	Davis Weather Monitor II	Peet's Ulitmeter 2000
>>>	Weather talker	yes no

>

>I was wondering are you referring to the ability for it to announce the
>information verbally? Peet Bros did have a unit at Dayton that you can
>interface with the Ultimeter and it does announce the data in Australian :-)
>down under via phone or touch tones. I am not sure how elaborate the Davis
>is, but I thought it would be neat if you can use one weather station and
>have it hooked up to APRS, and available to access on a repeater also, dont
>know if possible, I guess its a matter if you can splice a data stream and
>still maintain the voltage for a readable data to both units.

>Ron

>N9QGS

>

>

>

Alan K. Unangst, WC7R
E-mail: alanwc7r@primenet.com
Packet: WC7R @ KB7FRV

From 4x6em@techunix.technion.ac.il Sat Jun 15 13:00:10 1996
Received: from techunix.technion.ac.il (4x6em@techunix.technion.ac.il
[132.68.1.28]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA22637 for
<aprssig@tapr.org>; Sat, 15 Jun 1996 12:59:59 -0500 (CDT)
Received: from localhost (4x6em@localhost) by techunix.technion.ac.il
(8.7.5/8.6.10) with SMTP id UAA15219 for <aprssig@tapr.org>; Sat, 15 Jun 1996
20:58:51 +0300 (IDT)
Date: Sat, 15 Jun 1996 20:58:51 +0300 (IDT)
From: Ben-Shalom Assi <4x6em@techunix.technion.ac.il>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1977] GPS20 questions
In-Reply-To: <199606151707.MAA07855@sparc.isl.net>

Message-ID: <Pine.GS0.3.93.960615205544.14537A-100000@techunix.technion.ac.il>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I had the same problem.

If you dont get a S/N number then the GPS does not see the satellite.
Everything was ok only when I put it outside with a good antenna for a couple of hours, it take it time to build the initial Almanac.
As to the clock, the time you see is factory set, when you will have a fix the clock will be reset by the satellites.
When I got mine it was 6 minutes off GMT but after getting a fix everything was ok.
bye, Assi 4Z7ABA

On Sat, 15 Jun 1996, Tony Drumm wrote:

> I finally had a few minutes to connect up the GPS20 and see how it's
> working. I used a 7805 with a 9v battery which seemed to power it up fine.
> Connected it to the computer and used a com program to watch the data. Sure
> enough, I get a burst of messages once a second.
>
> It seems to be finding satellites but will not come up with a fix. I moved
> it outside and have used both the "Blackjack" antenna and one of Bob's
> suggested 1.8" wire. The satellite data seems to be incomplete. The
> documentation for the GPGSV message says the SNR will be null if the
> satellite is not being tracked. Some are this way but others are also
> missing the elevation. Some have SNR but no elevation. Also, the time
> seems to be about 3 minutes slow according to my watch which is usually
> within 30 seconds or so of WWV.
>
> Here's a sample of the data:
>
> \$PGRME,,,,,,*4D
> \$GPVTG,,T,,M,,N,,K*4E
> \$GPRMC,155806,V,,,,,,150696,,*33
> \$GPGGA,155806,,,,,0,00,,,M,,M,,*69
> \$GPGSA,A,1,,,,,,,,,,,,,*1E
> \$GPGSV,2,1,08,04,,090,,05,47,094,,07,,038,44,14,,302,*7C
> \$GPGSV,2,2,08,15,00,344,40,18,,175,,19,,073,,27,,060,*77
>
> Any suggestions?
> Tony Drumm
> Rochester, MN
> internet: tdrumm@isl.net
> Packet: aa0sm@wd0gnk.#semn.mn.usa.na
>

From wa4dsy@wa4dsy.radio.org Sat Jun 15 13:02:38 1996

Received: from smtp-gw01.ny.us.ibm.net (smtp-gw01.ny.us.ibm.net [165.87.194.252])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA22692 for <aprssig@tapr.org>; Sat,
15 Jun 1996 13:02:29 -0500 (CDT)

Received: (from uucp@localhost) by smtp-gw01.ny.us.ibm.net (8.6.9/8.6.9) id

SAA08170 for < aprssig@tapr.org>; Sat, 15 Jun 1996 18:02:23 GMT
Message-Id: <199606151802.SAA08170@smtp-gw01.ny.us.ibm.net>
Received: from wa4dsy-1.wa4dsy.radio.org(206.28.196.146) by smtp-gw01.ny.us.ibm.net via smap (V1.3mjr)
id smapuYDmb; Sat Jun 15 18:02:21 1996
Date: Sat, 15 Jun 96 14:02:19 EDT
From: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
Reply-To: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
To: aprssig@tapr.org
X-Mailer: Dale Heatherington's PMMail v1.1
Subject: WinAPRS and OS/2 Warp

I tried WinAPRS with OS/2 Warp and got an error message: "unexpected DOS error 23"

OS/2 Warp can deal with win32s up to version 1.25.
Does WinAPRS actually require win32s 1.30 to operate or can it be coerced into running with 1.25?

Dale Heatherington, WA4DSY
e-mail - wa4dsy@wa4dsy.radio.org
Web page - www.wa4dsy.radio.org
This message brought to you by OS/2 Warp Connect.

From ku0g@sprynet.com Sat Jun 15 13:11:46 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA23050 for <aprssig@tapr.org>; Sat, 15 Jun 1996 13:11:39 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.132.64] (ad05-064.compuserve.com [199.174.132.64]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id LAA19643 for <aprssig@tapr.org>; Sat, 15 Jun 1996 11:09:31 -0700
Date: Sat, 15 Jun 1996 11:09:31 -0700
Message-Id: <199606151809.LAA19643@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Need Help with Stand-Alone Tracker!!!
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

I bought a KPC-3 (v 6.0 firmware) yesterday. Building a stand-alone tracker for bike ride tomorrow (Sunday). Here's the scoop....

The GPS is sending its data to the TNC but the TNC is not accepting it (apparently). TNC IS sending its normal beacon and ID OK.

I look at LT and all four buffers have nothing in them.

I followed the Kantronics docs on how to set up for GPS operation. Here's what I did....

Hardware: GPS-45 yellow (brown) wire to pin 2 on TNC, black (ground) to pin 7 (Frame/Signal ground verified by VOM).

Software: TNC Commands set as such (only ones I did)

MYC MED-1

MYR KU0G-15

(I set the p/w but not going to list it here)

GPSHEAD 1 \$GPRMC

GPSHEAD 2 \$GPGLL

GPSHEAD 3 \$GPGLL

(nothing on GPSH 4)

LTP 1 APRS V RELAY,WIDE,WIDE

LTP 2 APRS V RELAY,WIDE,WIDE

LTP 3 APRS V RELAY,WIDE,WIDE

BTEXT {a}KU0G-15 Wheels to Weston Bike Ride 1996

B E 10

INT GPS

At this point I shut off TNC and restarted to initiate GPS mode.

What's wrong? I've GOT to make this unit operational by midnight tonight!!!!
I'd pay real money (a figure of speech, of course) for some serious expertise!!!

Would prefer a collect call so I can be working with the TNC while we talk!!!

(816) 746-9205 Say who you are and your ham call and I'll accept the charges....

Thanks for your help, in advance!

Best 73,

Jim Duncan, KU0G

APRS--Kansas City Coordinator

EMail: ku0g@sprynet.com

From fwinder@one.net Sat Jun 15 13:26:02 1996

Received: from mail.one.net (mail.one.net [206.112.192.107]) by tapr.org

(8.7.5/8.7.3/1.9) with ESMTP id NAA23642 for <aprssig@tapr.org>; Sat, 15 Jun 1996 13:25:59 -0500 (CDT)

Received: from jhw.access.one.net (port-2-6.access.one.net [206.112.193.46]) by mail.one.net (8.7.5/8.6.9) with SMTP id OAA14754 for <aprssig@tapr.org>; Sat, 15 Jun 1996 14:25:52 -0400

Date: Sat, 15 Jun 1996 14:25:52 -0400

Message-Id: <199606151825.0AA14754@mail.one.net>

X-Sender: fwinder@mail.one.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Farrell Winder <fwinder@one.net>
Subject: Need Assist HF APRS Baud Rate

Appreciate assist in setting in baud rate for HF. Want to set for 300 but apparently have 4800 in system and cannot receive intelligent info. APRS HF seems to be different than VHF where prompt asks for baud rate. What command do I enter to set baud? Is it straightforward from this point? Many thanks. Farrell W8ZCF.

From wa4dsy@wa4dsy.radio.org Sat Jun 15 14:08:51 1996
Received: from smtp-gw01.ny.us.ibm.net (smtp-gw01.ny.us.ibm.net [165.87.194.252]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA25377 for <aprssig@tapr.org>; Sat, 15 Jun 1996 14:08:46 -0500 (CDT)
Received: (from uucp@localhost) by smtp-gw01.ny.us.ibm.net (8.6.9/8.6.9) id TAA39200 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:08:43 GMT
Message-Id: <199606151908.TAA39200@smtp-gw01.ny.us.ibm.net>
Received: from wa4dsy-1.wa4dsy.radio.org(206.28.196.146) by smtp-gw01.ny.us.ibm.net via smap (V1.3mjr) id smayA8DM2; Sat Jun 15 19:08:33 1996
Date: Sat, 15 Jun 96 15:08:30 EDT
From: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
Reply-To: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
To: aprssig@tapr.org
X-Mailer: Dale Heatherington's PMMail v1.1
Subject: Re: [APRSSIG:1980] WinAPRS and OS/2 Warp

On Sat, 15 Jun 1996 13:22:06 -0500 (CDT) you wrote:

>I tried WinAPRS with OS/2 Warp and got an
>error message: "unexpected DOS error 23"
>
>OS/2 Warp can deal with win32s up to version 1.25.
>Does WinAPRS actually require win32s 1.30 to operate
>or can it be coerced into running with 1.25?
>

More info...

I screwed up by assuming win32s 1.25 was installed on the computer in the above test of WinAPRS. It wasn't!

I copied WinAPRS to another OS/2 machine which happily runs a couple of other win32s programs. The results were completely different this time: WinAPRS locked up the computer so tight even ctrl-alt-del wouldn't reboot it!

I'm casting my vote for a native OS/2 port of WinAPRS.

Dale Heatherington, WA4DSY

e-mail - wa4dsy@wa4dsy.radio.org

Web page - www.wa4dsy.radio.org

This message brought to you by OS/2 Warp Connect.

From kc5ejk@onramp.net Sat Jun 15 14:33:49 1996

Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id OAA26559 for <aprssig@tapr.org>; Sat, 15 Jun 1996 14:33:41 -0500 (CDT)

Received: from [199.1.11.120] (dal20.onramp.net [199.1.11.120]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id OAA06314 for <aprssig@tapr.org>; Sat, 15 Jun 1996 14:33:26 -0500 (CDT)

Message-Id: <v02130500ade8bed79340@[199.1.11.141]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 15 Jun 1996 14:33:43 -0500

To: aprssig@tapr.org

From: kc5ejk@onramp.net (Robert Winingham)

Subject: Re: [APRSSIG:1977] GPS20 questions

> I moved

>it outside and have used both the "Blackjack" antenna and one of Bob's
>suggested 1.8" wire. The satellite data seems to be incomplete.

As posted before may take up to 15-20 min to update sat data base.

I waited 30+ min with a Garmin-45 once.

>seems to be about 3 minutes slow according to my watch which is usually
>within 30 seconds or so of WWV.
>

The time may not update from internal clock to GPS time until you get
a good GPS fix.

Run the NMEA data stream into bob's sig plot or MAC/Win aprs to see
a heads up display.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From sdimse@bridge.net Sat Jun 15 15:24:55 1996

Received: from relay7.UU.NET (relay7.UU.NET [192.48.96.17]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA28513 for <aprssig@tapr.org>; Sat, 15 Jun 1996

15:24:47 -0500 (CDT)

Received: from bridge.net by relay7.UU.NET with ESMTP

(peer crosschecked as: newworld.bridge.net [204.253.4.4])

id QQaugf15977; Sat, 15 Jun 1996 16:24:44 -0400 (EDT)

Received: from [204.253.4.86] (ppp-mia2-86.bridge.net [204.253.4.86]) by bridge.net (8.7.5/8.7.3) with SMTP id QAA06804 for <aprssig@tapr.org>; Sat, 15 Jun 1996 16:21:57 -0400 (EDT)

Message-Id: <199606152021.QAA06804@bridge.net>

Subject: Re: [APRSSIG:1976] Re: HOW ACCURATE is the clock?

Date: Sat, 15 Jun 96 16:24:44 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>Er, ah... 'Fraid not. The solution for a GPS position is a spheroid of
>probability. Knowledge of the pseudorange of a satellite, based on almanac,
>ephemeris and clock solutions, yields a probability that you are on the
>surface of a sphere around the satellite. Intersection of that sphere with
>the earth's surface yields an approximate ellipse of positional probability.
>Adding a second satellite to the solution matrix places you within a
>volume of
>probability defined by the intersection of the spheres associated with
>pseudorange solutions for the 2 satellites. Resolution of the solution to
>a 2D
>position requires a third satellite, while resolution of the Z axis component
>requires a fourth. Even with precise time definition, you cannot resolve 2D
>fixes with 2 satellites... Sorry.

Upon further reflection, I retract my statement, but I do take exception to one point you make. If the receiving station had an accurate atomic clock, the fixes would not be pseudoranges, but true ranges. There is no probability involved. The intersection between the two range spheres would be a circle, intersecting that with the earth would give two points, so yes, you would need a third satellite to decide which one.

Steve

From sdimse@bridge.net Sat Jun 15 15:37:16 1996

Received: from relay7.UU.NET (relay7.UU.NET [192.48.96.17]) by tapr.org

(8.7.5/8.7.3/1.9) with ESMTP id PAA28883 for <aprssig@tapr.org>; Sat, 15 Jun 1996 15:37:12 -0500 (CDT)

Received: from bridge.net by relay7.UU.NET with ESMTP

(peer crosschecked as: newworld.bridge.net [204.253.4.4])

id QQaugg16571; Sat, 15 Jun 1996 16:37:10 -0400 (EDT)

Received: from [204.253.4.86] (ppp-mia2-86.bridge.net [204.253.4.86]) by bridge.net (8.7.5/8.7.3) with SMTP id QAA15154 for <aprssig@tapr.org>; Sat, 15 Jun 1996 16:34:22 -0400 (EDT)

Message-Id: <199606152034.QAA15154@bridge.net>

Subject: Re: [APRSSIG:1977] GPS20 questions

Date: Sat, 15 Jun 96 16:37:09 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>It seems to be finding satellites but will not come up with a fix. I moved
>it outside and have used both the "Blackjack" antenna and one of Bob's
>suggested 1.8" wire. The satellite data seems to be incomplete. The
>documentation for the GPGSV message says the SNR will be null if the
>satellite is not being tracked. Some are this way but others are also
>missing the elevation. Some have SNR but no elevation. Also, the time
>seems to be about 3 minutes slow according to my watch which is usually
>within 30 seconds or so of WWV.

How long did you wait? It took my units more than ten minutes to get get
the initial fix. Since the unit doesn't know where it is, it doesn't know
which satellites are in view, so it has to search for all of them. Since
it is a single channel unit, it takes a while. Sooner or later it will
find one, and then it will set it's clock with the correct time.

If you hooked up the RS-232 input you can give it an initial position and
time that will speed up the process.

So far I'm not too impressed. These units seem to have a problem when one
satellite it is using is lost from view. Rather than immediately
switching to another satellite, it seems to use a warm start procedure,
takes 15-30 seconds to lock on again. I drove downtown, with frequent
occultations by the buildings, only got data maybe 25% of the time,
verses 100% with my Motorola 6 channel parallel rx.

Another quirk, the unit seems to suffer from 'grade inflation'. When the
SNR drops to 33 on a satellite, it is lost. The Motorola tracks down to
the 10 or 11. Most of the time I get SNRs in the mid 40's when I have a
clear sky view.

Steve K04HD

From sdimse@bridge.net Sat Jun 15 15:39:57 1996
Received: from relay6.UU.NET (relay6.UU.NET [192.48.96.16]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id PAA29153 for <aprssig@tapr.org>; Sat, 15 Jun 1996
15:39:54 -0500 (CDT)
Received: from bridge.net by relay6.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQaugg27236; Sat, 15 Jun 1996 16:39:49 -0400 (EDT)
Received: from [204.253.4.86] (ppp-mia2-86.bridge.net [204.253.4.86]) by
bridge.net (8.7.5/8.7.3) with SMTP id QAA16988 for <aprssig@tapr.org>; Sat, 15 Jun
1996 16:37:01 -0400 (EDT)
Message-Id: <199606152037.QAA16988@bridge.net>
Subject: Re: [APRSSIG:1981] Need Help with Stand-Alone Tracker!!!
Date: Sat, 15 Jun 96 16:39:48 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

..
>
>At this point I shut off TNC and restarted to initiate GPS mode.
>
>What's wrong? I've GOT to make this unit operationaly by midnight
>tonight!!!!
>I'd pay real money (a figure of speech, of course) for some serious
>expertise!!!
>

Did you set the GPS beacon frequency?

BLT 1 e 00:02:00
BLT 2 e

etc.

Steve

From w2g3zfj@unix.asb.com Sat Jun 15 15:46:04 1996
Received: from unix.asb.com (root@unix.asb.com [165.254.128.4]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA29256 for <aprssig@tapr.org>; Sat, 15 Jun 1996
15:46:01 -0500 (CDT)
Received: from asb11 (sls1.asb.com [165.254.128.11]) by unix.asb.com
(8.6.12/8.6.9) with SMTP id QAA06172 for <aprssig@tapr.org>; Sat, 15 Jun 1996
16:50:23 -0400
Message-Id: <199606152050.QAA06172@unix.asb.com>
X-Sender: w2g3zfj@unix.asb.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 15 Jun 1996 16:41:20 -0400
To: aprssig@tapr.org
From: w2g3zfj@unix.asb.com (bob)
Subject: More serial Port help needed!
X-Mailer: <PC Eudora Version 1.4>

Further to my original message. I have an extra I/O card on which I have disabled the FDC, HDC, Parallel Port and Games Port. I have set Serial 1 to com3 (3e8, IRQ5) and serial 2 is disabled. The basic system has com1/2 at the normal addresses and irq's. Win95 finds the port but assigns irq4 to it and it won't let me edit the IRQ number. As you would expect the system doesn't work!

If I set the com3 port to irq4 then it does work under Hyperterminal and Procomm Plus but when I run winAPRS it won't read any data from com3 (and my Ultimeter II).

My question is why won't com3 work at 3E8 and IRQ 5? Is it to do with IRQ5 normally being used for LPT2? Anyone got any ideas?

Any help appreciated

Thanks again

de bob w2/g3zjfj
w2g3zjfj@unix.asb.com

>Hi There

>

>I want to hook up my Ultimeter II to my PC to work under win95. Now I know
>that winAPRS can work with any serial port however I'm not sure where I can
>get an extra serial card to work on com5 etc. I've had a look round the
>local computer shows but no joy. Anyone got any ideas? Is it possible to
>modify a standard serial card to work at another address? Do I need a TSR
>program to run the extra serial cards?

>

>Any help appreciated

>

>BTW any word on an upgrade/bug fix for winAPRS?

>

>73 de bob w2/g3zjfj
>w2g3zjfj@unix.asb.com

>

>

>

From wnolle@ix.netcom.com Sat Jun 15 15:58:03 1996

Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA29756 for <aprssig@tapr.org>; Sat, 15
Jun 1996 15:57:59 -0500 (CDT)

Received: from LOCALNAME (hun-al1-08.ix.netcom.com [205.184.6.40]) by dfw-
ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id NAA09717 for <aprssig@tapr.org>;
Sat, 15 Jun 1996 13:57:25 -0700

Message-ID: <31C33FC9.2740@ix.netcom.com>

Date: Sat, 15 Jun 1996 15:57:13 -0700

From: William Nolle <wnolle@ix.netcom.com>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Map Builders

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

For those Map builders on the sig, i just uploaded a file named DLGVIEW
it allows you to look at any of your CD files before actually making a
map of it. This is great to see how populated the area is that your going
to make the maps of. I did some playing with it and took a file for
Huntsville,Alabama of 3.5 meg and it didn't have any problem with showing
the all the roads in the city. I attempted to chain all the files
(Raods,Hydro,etc together using COPY but it didn't like that. There is a
text file with the file i uploaded so you can read it first although the
file is not that large. One thing you will have to do is add a .DLG
extension to the files you want to look at. Hope it will be of some use
to you map builders.

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From N2ZRC@gnn.com Sat Jun 15 16:05:55 1996

Received: from mail-e2b-service.gnn.com (mail-e2b-service.gnn.com [204.148.102.170]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA00281 for <APRSSIG@tapr.org>; Sat, 15 Jun 1996 16:05:47 -0500 (CDT)

Received: from 10-184.client.gnn.com. (10-184.client.gnn.com [205.188.10.184]) by mail-e2b-service.gnn.com (8.7.1/8.6.9) with SMTP id RAA17847 for <APRSSIG@tapr.org>; Sat, 15 Jun 1996 17:05:07 -0400 (EDT)

Message-Id: <199606152105.RAA17847@mail-e2b-service.gnn.com>

X-Mailer: GNNmessenger 1.3

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 15 Jun 1996 17:05:37

From: Arte Booten <N2ZRC@gnn.com>

To: APRSSIG@tapr.org

Subject: Re: [APRSSIG:1844] Re: WINAPRS 'features'?

On Tue, 11 Jun 1996 Sam Nabkey, WJ8T wrote:

>

>The lockup people talk about . . . Seems to be related to the
>fact that there is no Map Window OPEN. I close all maps win-
>dows and at the next Packet RX, I get an Unhandled Execption
>error.

to which Keith Sproul replied on Wed, 12 Jun 1996:

>This is a CONFIRMED bug and has been fixed.

>Until the next release, keep at least one window open.

That's what I thought at first. I often left WinAPRS up when I went to work. One day, before leaving the house, I checked the weather and WinAPRS was running fine. I closed the Weather List and it was still OK. The only other thing I did to the computer before leaving the house was to shut off the monitor. I arrived home to an "Unhandled Exception!" I suppose it's possible the cat jumped onto the keyboard while I was out, but he doesn't like my desk (no place to lie down and nothing to eat.)

There are other things about WinAPRS I'm dissatisfied with which I've addressed before. I'll admit it looks VERY nice and has some high-tech features APRSDos (DosAPRS, whatever) lacks, but when it comes down to simple, basic utility and versatility I'm sorry to say I'm going to stick with The Original.

Sorry Mark and Keith but, although it does everything you say it'll do, when it comes down to brass tacks I HAVE to com-

pare Apples and Grapes. IMHO (and please forgive me for this, as I've been supportive of your effort,) while WinAPRS will allow me to get the name and address (via C-D) of a station, show me MANY more stations than Bob's version currently will and has FABULOUS maps, there's no way to tell your program that I want this message to go to that station via anything but my beacon's unproto path, I can't FIND a station by typing in its callsign (or clicking on it from a list) and it can't even let me edit the maps to accomodate some special event (such as a marathon or similar course.)

I've supported Mark and Keith in their BETA efforts since the release of 0.2.0 and have thought the progress and improvements with each new one to be terrific. Since the release of WinAPRS 1.00, however, they have been relatively silent on the SIG about their brainchild. One hopes they are too busy addressing the comments that have been aired here and 1.04, 1.06 etc. will show me to be wrong. As I've never run and only once SEEN MacAPRS I don't know what it's current capabilities are or whether the issues I've raised have long since been solved in that more mature (and, supposedly, more stable) environment.

I LIKE WinAPRS! IT'S REAL PRETTY! As I've said before, I'm sure there'll be MANY more releases. APRS is one of those programs the authors like to keep tinkering with ... not because it's broken, but because there's something else they'd like to add to it. Please prove me wrong in my opinion, guys!
73 de

Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)

(Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)

[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

"Target those coordinates and fire quantum torpedoes....."

From msproul@arn.net Sat Jun 15 19:13:18 1996

Received: from arnet.arn.net (arnet.arn.net [204.177.232.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA05315 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:13:16 -0500 (CDT)

Received: from [204.254.144.76] (dialup6-076.arn.net [204.254.144.76]) by arnet.arn.net (8.7.5/8.7.3) with SMTP id TAA15861 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:14:41 -0500 (CDT)

Message-Id: <v01540b00ade900447a21@[207.19.1.70]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 15 Jun 1996 19:13:12 -0500

To: aprssig@tapr.org

From: msproul@arn.net (ML Sproul)

Subject: Re: [APRSSIG:1980] WinAPRS and OS/2 Warp

At 1:22 PM 6/15/96, Dale Heatherington wrote:

>I tried WinAPRS with OS/2 Warp and got an
>error message: "unexpected DOS error 23"
>
>OS/2 Warp can deal with win32s up to version 1.25.
>Does WinAPRS actually require win32s 1.30 to operate
>or can it be coerced into running with 1.25?
>

According to all of the test info that I have, WinAPRS requires Win32S 1.3
All testing with 1.25 has proved that it does not work. I have not been
able to find anyone with enough OS/2 experience that understands the
difference between 1.25 and 1.3 to figure out what is going on with 1.25.

Mark Sproul
(temporally in Texas at my Dad's house)

M. L. "Maury" Sproul |Work 806-477-7254
W5UGQ |Home 806-354-0306
msproul@arn.net
Amarillo, TX

From fmcjunki@cks.ssd.k12.wa.us Sat Jun 15 19:24:31 1996
Received: from ssd.k12.wa.us (cks.ssd.k12.wa.us [198.104.244.101]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA06002 for <aprssig@tapr.org>; Sat, 15 Jun 1996
19:24:28 -0500 (CDT)
Received: from localhost by ssd.k12.wa.us (4.1/SMI-4.1)
id AA26739; Sat, 15 Jun 96 15:54:23 PDT
Date: Sat, 15 Jun 1996 15:54:22 -0700 (PDT)
From: Frank McJunkins <fmcjunki@cks.ssd.k12.wa.us>
X-Sender: fmcjunki@cks
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1977] GPS20 questions
In-Reply-To: <199606151707.MAA07855@sparc.isl.net>
Message-Id: <Pine.SUN.3.92.960615155028.26671A-1000000@cks>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I agree with Assi's answer to your time/fix problem, having experienced the
same thing...you have to be patient and wait for the unit to discover
where it is by building an almanac. It took me two hours of playing to
discover that the unit simply has to see enough satellites to acquire the
almanac. Then it'll work great. My problem was I didn't have an adequate
antenna at first.

Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916

From kml@conknet.com Sat Jun 15 19:24:34 1996
Received: from mountk.conknet.com (mountk.conknet.com [204.165.214.70]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA06003 for <aprssig@tapr.org>; Sat, 15

Jun 1996 19:24:30 -0500 (CDT)
Received: from 206.32.5.89 ([206.32.5.89]) by mountk.conknet.com with SMTP;
Sat, 15 Jun 1996 19:05:32 -0400 (EDT)
Message-ID: <31C3091D.3259@conknet.com>
Date: Sat, 15 Jun 1996 19:03:57 +0000
From: "Daniel G. Morgan" <kml@conknet.com>
Organization: KML Scientific Inc.
X-Mailer: Mozilla 2.0 (Macintosh; I; PPC)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1981] Need Help with Stand-Alone Tracker!!!
References: <199606151809.LAA19643@m1.sprynet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

HI Joe, I Think you must also set the BLT for each of the LT's

ie: BLT 1 EVERY 00:01:10
BLT 2 EVERY 00:05:00 etc
This would set Buffer 1 to beacon every 1 minute 10 seconds and
Buffer 2 every 5 minutes 0 seconds etc.

Check the "Setting Parmeters in the KPC-3" for the info.

73 Dan,W1UR

From gerry@cs.tamu.edu Sat Jun 15 19:37:23 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA06578 for <aprssig@tapr.org>; Sat, 15 Jun 1996
19:37:20 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id TAA12597 for <aprssig@tapr.org>; Sat, 15
Jun 1996 19:36:48 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id TAA02747 for
aprssig@tapr.org; Sat, 15 Jun 1996 19:35:43 -0500
Message-Id: <199606160035.TAA02747@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1977] GPS20 questions
To: aprssig@tapr.org
Date: Sat, 15 Jun 1996 19:35:42 -0500 (CDT)
In-Reply-To: <199606151707.MAA07855@sparc.isl.net> from "Tony Drumm" at Jun 15, 96
12:04:05 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

It's saying it has not found the birds. How long did you have it up with the
Blackjsck antenna (I remain skeptical of the 1/4-wave for relatively deaf
receivers...)? I believe it diesn't know where it is, and will have to
acquire its birds via "skysearch" where it looks for up to 30 minutes to find
adequate satellites.

73, gerry

From ku0g@sprynet.com Sat Jun 15 19:38:39 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA06623 for <APRSSIG@TAPR.ORG>; Sat, 15 Jun 1996
19:38:35 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.132.64] (ad05-064.compuserve.com [199.174.132.64]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id OAA22609 for <APRSSIG@TAPR.ORG>; Sat,
15 Jun 1996 14:51:21 -0700
Date: Sat, 15 Jun 1996 14:51:21 -0700
Message-Id: <199606152151.OAA22609@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Got 'em working!
To: APRSSIG@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

Thanks to WJ8T and N4NEQ for the long distance help line!!!
The tracker is now working!!! To anyone else who is getting ready to call and
offer help, THANKS for your consideration, but I am no longer accepting the
collect calls!!! Thanks everybody....

BTW: I'll be posting the track history file of the Bike Ride late Sunday night
or early Monday morning! Enjoy!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From gerry@cs.tamu.edu Sat Jun 15 19:41:50 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA06704 for <aprssig@tapr.org>; Sat, 15 Jun 1996
19:41:47 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id TAA12686 for <aprssig@tapr.org>; Sat, 15
Jun 1996 19:41:15 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id TAA02790 for
aprssig@tapr.org; Sat, 15 Jun 1996 19:40:10 -0500
Message-Id: <199606160040.TAA02790@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1979] Re: GPS20 questions
To: aprssig@tapr.org
Date: Sat, 15 Jun 1996 19:40:10 -0500 (CDT)
In-Reply-To: <Pine.GS0.3.93.960615205544.14537A-1000000@techunix.technion.ac.il>
from "Ben-Shalom Assi" at Jun 15, 96 01:21:50 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Ben-Shalom Assi sez:

>

> Everything was ok only when I put it outside with a good antenna for a
> couple of hours, it take it time to build the initial Almanac.
> As to the clock, the time you see is factory set, when you will have
> a fix the clock will be reset by the satellites.

After it gets a good lock on a satellite, even one, it should have a complete almanac in 13 minutes. It still thinks it's in Kansas, though, so it's looking for the wrong satellites. After it figures out that not all PRNs are available (PRN 12, the last of the Block 1 birds was "healthied out" a couple of months ago... more's the pity) it still looks for birds based on its last fix. After *that* times out, it starts looking through the whole sky for anything, and builds an idea of where it is from there.

> When I got mine it was 6 minutes off GMT but after getting a fix
> everything was ok.

That's a little excessive, but acceptable for an initial setup, I guess. I'll have to look at the Trimble and Motorola receivers and see what their power-off latency and drift are.

73, gerry

From gerry@cs.tamu.edu Sat Jun 15 19:43:32 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA06764 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:43:29 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id TAA12695 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:42:58 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id TAA02802 for aprssig@tapr.org; Sat, 15 Jun 1996 19:41:53 -0500

Message-Id: <199606160041.TAA02802@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:1983] Re: WinAPRS and OS/2 Warp

To: aprssig@tapr.org

Date: Sat, 15 Jun 1996 19:41:52 -0500 (CDT)

In-Reply-To: <199606151908.TAA39200@smtp-gw01.ny.us.ibm.net> from "Dale Heatherington" at Jun 15, 96 02:20:27 pm

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Dale Heatherington sez:

>

> I'm casting my vote for a native OS/2 port of WinAPRS.

Here, hear! Me too.

gerry

From gerry@cs.tamu.edu Sat Jun 15 19:50:56 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA07353 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:50:52 -0500 (CDT)
Received: from solar.cs.tamu.edu (solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id TAA12789 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:50:19 -0500
From: Gerald J Creager <gergy@cs.tamu.edu>
Received: (gergy@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id TAA02854 for aprssig@tapr.org; Sat, 15 Jun 1996 19:48:44 -0500
Message-Id: <199606160048.TAA02854@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:1985] Re: HOW ACCURATE is the clock?
To: aprssig@tapr.org
Date: Sat, 15 Jun 1996 19:48:44 -0500 (CDT)
In-Reply-To: <199606152021.QAA06804@bridge.net> from "Steve Dimse" at Jun 15, 96 03:38:07 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Steve Dimse sez:

>
> Upon further reflection, I retract my statement, but I do take exception
> to one point you make. If the receiving station had an accurate atomic
> clock, the fixes would not be pseudoranges, but true ranges. There is no
> probability involved. The intersection between the two range spheres
> would be a circle, intersecting that with the earth would give two points,
> so yes, you would need a third satellite to decide which one.

Nope, they'd still be pseudoranges. The ephemeris is not precise, but propagated at the point you receive it, so the data are an estimation. When you post-process the data for high-precision/high-accuracy work, one element is to get the precise ephemeris data from NAVCEN, UNAVCO, GSFC, Scripps, or Bern and recalculate the data based on where the satellite REALLY was. Then you apply the base station corrections to the new, more precise, pseudorange solutions, and go on.

What you WOULD have would be a better mechanism to resolve integer ambiguity in determining which precise wavelength of the signal arrived (phase measurement). This would provide a more precise solution than one with remaining integer ambiguity, where the receiver merely guessed at the integer solution and used it for the next N period of time.

Finally, just as orbits should always be thought of as ellipses, so should the position solutions be considered as intersections of individual ellipsoids. It's hard to achieve a perfect circle or sphere!

73, gerry

From gerry@cs.tamu.edu Sat Jun 15 19:55:19 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA07451 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:55:16 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id TAA12831 for <aprssig@tapr.org>; Sat, 15 Jun 1996 19:54:41 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id TAA02899 for aprssig@tapr.org; Sat, 15 Jun 1996 19:53:36 -0500

Message-Id: <199606160053.TAA02899@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:1991] Re: WinAPRS and OS/2 Warp

To: aprssig@tapr.org

Date: Sat, 15 Jun 1996 19:53:36 -0500 (CDT)

In-Reply-To: <v01540b00ade900447a21@[207.19.1.70]> from "ML Sproul" at Jun 15, 96 07:26:18 pm

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

ML Sproul sez:

>

> According to all of the test info that I have, WinAPRS requires Win32S 1.3
> All testing with 1.25 has proved that it does not work. I have not been
> able to find anyone with enough OS/2 experiance that understands the
> difference between 1.25 and 1.3 to figure out what is going on with 1.25.

Unfortunately, Microsoft "enhanced" Win32S v1.3 sinificantly, and has not released all the "enhancements." What I've been told is that the Merlin beta release of OS/2 should fix the latest level of induced incompatibility...

73 gerry

ps... interested in an attempt at compiling it on a native OS/2 compiler?

gerry

From dseaburg@web-access.net Sat Jun 15 20:19:22 1996

Received: from austin.aus.sig.net (root@austin.aus.sig.net [199.1.78.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA08842 for <aprssig@tapr.org>; Sat, 15 Jun 1996 20:19:20 -0500 (CDT)

Received: from seab486dx4 (ppp205.web-access.net [205.241.59.205]) by austin.aus.sig.net (8.7.5/8.7.3) with SMTP id UAA29214 for <aprssig@tapr.org>; Sat, 15 Jun 1996 20:19:01 -0500 (CDT)

Message-ID: <31C36126.690D@web-access.net>

Date: Sat, 15 Jun 1996 20:19:34 -0500

From: Dale Seaburg <dseaburg@web-access.net>

X-Mailer: Mozilla 2.01Gold (WinNT; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1997] Re: WinAPRS and OS/2 Warp

References: <199606160041.TAA02802@solar.cs.tamu.edu>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gerald J Creager wrote:

>
> Dale Heatherington sez:
> >
> > I'm casting my vote for a native OS/2 port of WinAPRS.
>
> Here, hear! Me too.
>
> gerry

OK, I can't stand it any longer ;-)

Let's go for a port to a REAL opsys WinNT.
Been running it for over a year, and I'll
take it over OS/2 any day. I used Warp 3.0
for a while and finally gave up when trying
to get MSYS 1.15 to run consistently under it.

With NT3.51, MSYS 1.15 runs well, with NO hiccups!

Please no flames... <g>

Dale.
dseaburg@web-access.net

From snabkey@wingsbbs.com Sat Jun 15 21:32:55 1996
Received: from wingsbbs.com ([205.243.16.10]) by tapr.org (8.7.5/8.7.3/1.9) with
SMTP id VAA12531 for <aprssig@tapr.org>; Sat, 15 Jun 1996 21:32:50 -0500 (CDT)
Message-Id: <199606160232.VAA12531@tapr.org>
Received: from inertia.net by wingsbbs.com
with SMTP (IPAD 1.1a) id 4094200 ; Sat, 15 Jun 96 21:41:20 UTC
Comments: Authenticated sender is <snabkey@wingsbbs.com>
From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
To: aprssig@tapr.org
Date: Sat, 15 Jun 1996 22:32:35 -0000
Subject: Re: [APRSSIG:1993] Re: Need Help with Stand-Alone Tracker!!!
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.23)

On 15 Jun 96 at 19:46, Daniel G. Morgan wrote:

> HI Joe, I Think you must also set the BLT for each of the LT's
>
> ie: BLT 1 EVERY 00:01:10
> BLT 2 EVERY 00:05:00 etc
> This would set Buffer 1 to beacon every 1 minute 10 seconds and
> Buffer 2 every 5 minutes 0 seconds etc.
>
> Check the "Setting Parmeters in the KPC-3" for the info.
>
> 73 Dan,W1UR
>

He gave a Clue in his message that brought me to the answer.

Jim had forgotten that the \$GP GGA and etc. needed to be capitolized.

Even though he didn't mention the BLT stuff, the clue was he wasn't saving any Buffers either. SO those buffers need to be filled to be sent and they don't get filled until the GPSHEAD string is a match.

IF the GPS sent out \$gpgga and whatever, then all would have been well.

REMEMBER: the GPSHEAD strings on a KPC-3 MUST be set to all Caps. or it won't be accepted into the Buffers for transmit.

73 de Sam

From willf@rrgroup.com Sat Jun 15 21:59:00 1996
Received: from rrgroup3.rrgroup.com (rrgroup3.rrgroup.com [204.95.173.65]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA13615 for <aprssig@tapr.org>; Sat, 15 Jun 1996 21:58:29 -0500 (CDT)
Received: by rrgroup3.rrgroup.com with Microsoft Exchange (IMC 4.0.837.3) id <01BB5B05.7ED67A90@rrgroup3.rrgroup.com>; Sat, 15 Jun 1996 21:56:24 -0500
Message-ID:
<c=US;a=_%p=RRSystemsGroup%l=RRGROUP3-960616025623Z-1160@rrgroup3.rrgroup.com>
From: Willson Flor <willf@rrgroup.com>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:2000] Re: WinAPRS and OS/2 Warp
Date: Sat, 15 Jun 1996 21:56:23 -0500
X-Mailer: Microsoft Exchange Server Internet Mail Connector Version 4.0.837.3
Encoding: 20 TEXT

You wrote:

>-----
>From: Dale Seaburg[SMTP:dseaburg@web-access.net]
>Sent: Saturday, June 15, 1996 8:41 PM
>To: aprssig@tapr.org
>Subject: [APRSSIG:2000] Re: WinAPRS and OS/2 Warp
>
>
>>Let's go for a port to a REAL opsys WinNT.

No port is necessary - WinAPRS runs quite well under NT right now and, in fact, is a native NT application and was developed by the Brothers Sproul on NT. I use NT almost exclusively, like OS/2 and the Mac fine, but detest Windows 95 (not enough to intentionally misspell it, though)

73 de KB9JTT

>

From WB9WOZ@aol.com Sat Jun 15 22:12:34 1996

Received: from emout14.mail.aol.com (emout14.mx.aol.com [198.81.11.40]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA14336; Sat, 15 Jun 1996 22:12:28 -0500 (CDT)

From: WB9WOZ@aol.com

Received: by emout14.mail.aol.com (8.6.12/8.6.12) id XAA14309; Sat, 15 Jun 1996 23:12:17 -0400

Date: Sat, 15 Jun 1996 23:12:17 -0400

Message-ID: <960615231214_415053844@emout14.mail.aol.com>

To: aprssig@tapr.org, winaprs@tapr.org

Subject: U 2000 Hookup

Ok all you WX guys out there.

Rich, K9LBO has a U-2000. He has 2 com ports. Mouse on one & tnc on the other.

How does he hook up the 2000 ? Does he need another com port ?

Please send replies direct to him--- rstahl@thor.pla-net.net

Helping a fellow ham is what its all about !!!

73's

Bruce Tobias

WB9WOZ

From dseaburg@web-access.net Sat Jun 15 22:22:27 1996

Received: from austin.aus.sig.net (root@austin.aus.sig.net [199.1.78.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id WAA14754 for <aprssig@tapr.org>; Sat, 15 Jun 1996 22:22:24 -0500 (CDT)

Received: from seab486dx4 (ppp213.web-access.net [205.241.59.213]) by austin.aus.sig.net (8.7.5/8.7.3) with SMTP id WAA02263 for <aprssig@tapr.org>; Sat, 15 Jun 1996 22:22:08 -0500 (CDT)

Message-ID: <31C37E02.2835@web-access.net>

Date: Sat, 15 Jun 1996 22:22:42 -0500

From: Dale Seaburg <dseaburg@web-access.net>

X-Mailer: Mozilla 2.01Gold (WinNT; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2002] Re: WinAPRS and OS/2 Warp

References:

<c=US%a=_%p=RRSystemsGroup%l=RRGROUP3-960616025623Z-1160@rrgroup3.rrgroup.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Willson Flor wrote:

>

> You wrote:

> >-----

> >From: Dale Seaburg[SMTP:dseaburg@web-access.net]

> >Sent: Saturday, June 15, 1996 8:41 PM

> >To: aprssig@tapr.org

> >Subject: [APRSSIG:2000] Re: WinAPRS and OS/2 Warp

> >

> >

> >>Let's go for a port to a REAL opsys WinNT.

>
> No port is necessary - WinAPRS runs quite well under
> NT right now and, in fact, is a native NT application and
> was developed by the Brothers Sproul on NT. I use
> NT almost exclusively, like OS/2 and the Mac fine, but
> detest Windows 95 (not enough to intentionally misspell
> it, though)
>
> 73 de KB9JTT
>
> >

I must confess that I have not run WinAPRS as of yet, so forgive my ignorance. Nice to know that someone is developing software on a "real" OS... Now, I'll have to try it! :-)

Thanks for the info.

Dale. KG5LT

From freelsdr@bright.net Sat Jun 15 23:23:33 1996
Received: from brutus.bright.net (brutus.bright.net [205.212.123.10]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id XAA17306 for <aprssig@tapr.org>; Sat, 15 Jun 1996 23:23:01 -0500 (CDT)
Received: from freelsdr (waba2-cs-7.dial.bright.net [205.212.118.127]) by brutus.bright.net (8.7.5/CICNet) with SMTP id AAA12606 for <aprssig@tapr.org>; Sun, 16 Jun 1996 00:21:30 -0400 (EDT)
Message-ID: <31C37E8C.43D3@bright.net>
Date: Sat, 15 Jun 1996 23:25:00 -0400
From: "David R. Freels" <freelsdr@bright.net>
X-Mailer: Mozilla 3.0B2 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Problem receiving Messages with -14 call
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Name here is David.

I have been having trouble with sending and receiving ack's from messages. I run a -14 when running mobile and my wide area digi is -10. If someone tries to send me a message to either of these call's. It will not ack them. If I drop the -14 or the -10 on the digi, everything works just fine. The digi's tnc is a pk232mbx and the mobile is a Kam Plus. I have tried resetting both to factory default. Then set the screen length to 0 and all line feeds off. I thought that it might have been the path but if I drop the -10 or -14 it ack's everytime. I am not the only one with this problem. Thanks for the help!
freelsdr@bright.net
ka8zge@amsat.org
David Freels

From rsellers@misha.net Sun Jun 16 00:33:19 1996
Received: from misha.net (delta.www.com [204.120.206.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA26047 for <aprssig@tapr.org>; Sun, 16 Jun 1996

00:33:17 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id AAA18084; Sun, 16 Jun 1996 00:33:10 -0500
Date: Sun, 16 Jun 1996 00:33:10 -0500
Message-Id: <199606160533.AAA18084@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:1988] More serial Port help needed!

>Further to my original message. I have an extra I/O card on which I have
>disabled the FDC, HDC, Parallel Port and Games Port. I have set Serial 1 to
>com3 (3e8, IRQ5) and serial 2 is disabled. The basic system has com1/2 at
>the normal addresses and irq's. Win95 finds the port but assigns irq4 to it
>and it won't let me edit the IRQ number. As you would expect the system
>doesn't work!

>

>If I set the com3 port to irq4 then it does work under Hyperterminal and
>Procomm Plus but when I run winAPRS it won't read any data from com3 (and my
>Ultimeter II).

>

>My question is why won't com3 work at 3E8 and IRQ 5? Is it to do with IRQ5
>normally being used for LPT2? Anyone got any ideas?

>

You also have to look at and check the INTERRUPTS, I have 4 com ports active
and WIN 95 had a fit with it for a time. I found out my motherboard took
control of which interrupt the video card had. Then it and Win95 proceeded to
dole out the other interrupts etc. When I got to setting the 4th port for my
KPC-3 to use I was having lots of fits. I had to investigate what devices
where using what interrupts and compare that to what was available and that I
could move about. USE CAUTION HERE!!!!

This is not nessecarily a Win95 problem, if anything, I was about
manipulate these a bit till I got it all to work.

Again USE CAUTION as you can lock your PC up!!!!

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From rsellers@misha.net Sun Jun 16 00:33:24 1996
Received: from misha.net (delta.wwa.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id AAA26089 for <aprssig@tapr.org>; Sun, 16 Jun 1996
00:33:21 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id AAA18086; Sun, 16 Jun 1996 00:33:12 -0500
Date: Sun, 16 Jun 1996 00:33:12 -0500
Message-Id: <199606160533.AAA18086@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:1952] winAPRS/win95, extra serial ports.

>I want to hook up my Ultimeter II to my PC to work under win95. Now I know
>that winAPRS can work with any serial port however I'm not sure where I can
>get an extra serial card to work on com5 etc. I've had a look round the
>local computer shows but no joy. Anyone got any ideas? Is it possible to
>modify a standard serial card to work at another address? Do I need a TSR
>program to run the extra serial cards?

I dont know that you can go beyond COM 4 with standard serial cards. I do know that you can buy Multi-Port serial cards with 8 or 16 ports on them. They are commonly used for BBS's. They use a driver that assigns all the ports etc. These can be VERY Expensive unless you can find them used someplace.

I bought my serial card from a Computer City store, it works fine with my Pentium and Win95.

Hope this info helps, 73

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From sv1dkz@hol.gr Sun Jun 16 03:16:57 1996
Received: from prometheus.hol.gr (sv1dkz@prometheus.hol.gr [194.30.193.159]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id DAA01403 for <aprssig@tapr.org>; Sun, 16 Jun 1996 03:16:11 -0500 (CDT)
Hops: 0
Host: tapr.org.
Received: (from sv1dkz@localhost) by prometheus.hol.gr (8.7.4/8.7.3) id LAA06113 for aprssig@tapr.org; Sun, 16 Jun 1996 11:13:14 -0200 (GMT)
Date: Sun, 16 Jun 1996 11:13:14 -0200 (GMT)
From: Filippidis Charalampos <sv1dkz@hol.gr>
Posted-Date: Sun, 16 Jun 1996 11:13:14 -0200 (GMT)
Message-Id: <199606161313.LAA06113@prometheus.hol.gr>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1976] Re: HOW ACCURATE is the clock?

From gerry@cs.tamu.edu Sun Jun 16 08:01:06 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA07729 for <aprssig@tapr.org>; Sun, 16 Jun 1996 08:01:04 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id IAA17101 for <aprssig@tapr.org>; Sun, 16 Jun 1996 08:00:34 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id HAA06870 for aprssig@tapr.org; Sun, 16 Jun 1996 07:59:31 -0500
Message-Id: <199606161259.HAA06870@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:2000] Re: WinAPRS and OS/2 Warp
To: aprssig@tapr.org
Date: Sun, 16 Jun 1996 07:59:31 -0500 (CDT)
In-Reply-To: <31C36126.690D@web-access.net> from "Dale Seaburg" at Jun 15, 96 08:43:12 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Dale Seaburg sez:

>
> OK, I can't stand it any longer ;-)
>
> Let's go for a port to a REAL opsys WinNT.
> Been running it for over a year, and I'll
> take it over OS/2 any day. I used Warp 3.0
> for a while and finally gave up when trying
> to get MSYS 1.15 to run consistently under it.

I've decided that Windoze 9x is not a direction I want to go. We are running Nt 3.51 at the office as the platform of choice and it does quite nicely. Me? Since I inherited the runt machine of the litter at the office, I'm running Warp, and it just does everything in 16 MB that the NT boxes are trying to do in 32...

Of course, I didn't have to try to get MSYS up...

gerry

ps... I don't get NEARLY as many GPFs with NT as I got with Win311. Usually about one a day with NT, using NT-specific software. Haven't seen that with Warp yet.

From martinbw@telalink.net Sun Jun 16 08:07:42 1996
Received: from eve.telalink.net (eve.telalink.net [199.1.88.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA08121 for <aprssig@tapr.org>; Sun, 16 Jun 1996 08:07:39 -0500 (CDT)
Received: from oscar.telalink.net (nash-pm1-s22.telalink.net [205.241.232.55]) by eve.telalink.net (8.7.5/Telalink-4.83) with SMTP id GAA00726; Sun, 16 Jun 1996 06:58:31 -0500 (CDT)
X-Mailer: InterCon TCP/Connect II 2.3.1
MIME-Version: 1.0
Message-Id: <9606160707.AA42948@oscar.telalink.net>
Date: Sun, 16 Jun 1996 07:07:42 -0500
From: "Bruce W. Martin" <martinbw@telalink.net>
To: aprssig@tapr.org, ku0g@sprynet.com
Subject: Re: [APRSSIG:1981] Need Help with Stand-Alone Tracker!!!
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

You did not show the following info in your message. You have to tell the KPC-3 how often to beacon the buffers. BLT 2 is set up so that BLT1 and 2 are

reporting every two minutes with the data but a minute apart.

BLT

1 EVERY 00:02:00

2 EVERY 00:02:00 STARTING AT 00:01:00

3 EVERY 00:10:30

I hope this helps,

Bruce

> I bought a KPC-3 (v 6.0 firmware) yesterday. Building a
> stand-alone tracker for bike ride tomorrow (Sunday). Here's the
> scoop....
>
> The GPS is sending its data to the TNC but the TNC is not accepting
> it (apparently). TNC IS sending its normal beacon and ID OK.
>
> I look at LT and all four buffers have nothing in them.
>
> I followed the Kantronics docs on how to set up for GPS operation.
> Here's what I did....
>
> Hardware: GPS-45 yellow (brown) wire to pin 2 on TNC, black (ground)
> to pin 7 (Frame/Signal ground verified by VOM).
>
> Software: TNC Commands set as such (only ones I did)
>
> MYC MED-1
> MYR KU0G-15
> (I set the p/w but not going to list it here) GPSHEAD 1 \$GPRMC
> GPSHEAD 2 \$GPGGA
> GPSHEAD 3 \$GPGLL
> (nothing on GPSH 4)
>
> LTP 1 APRS V RELAY,WIDE,WIDE
> LTP 2 APRS V RELAY,WIDE,WIDE
> LTP 3 APRS V RELAY,WIDE,WIDE
>
> BTEXT {a}KU0G-15 Wheels to Weston Bike Ride 1996
>
> B E 10
>
> INT GPS
>
> At this point I shut off TNC and restarted to initiate GPS mode.
>
> What's wrong? I've GOT to make this unit operationaly by midnight
> tonight!!!!
> I'd pay real money (a figure of speech, of course) for some
> serious expertise!!!

>
> Would prefer a collect call so I can be working with the TNC while we
> talk!!!
>
> (816) 746-9205 Say who you are and your ham call and I'll accept
> the charges....
>
>
> Thanks for your help, in advance!
>
> Best 73,
> Jim Duncan, KU0G
> APRS--Kansas City Coordinator
> EMail: ku0g@sprynet.com
>
>
>

--

```
*****
* Bruce W. Martin           Internet: martinbw@telalink.net      *
* 4558 Brooke Valley Dr.    HAM Call: KQ4TV                     *
* Hermitage TN 37076-2650                                       *
* Voice: (615) 872-7733 Targeting:36 10 30 N/86 35 30 W         *
* FAX/MODEM: (615) 872-0045 APRS:3610.50N/08635.50W             *
* URL: http://www.telalink.net/~martinbw/home.html              *
* ftp://ftp.telalink.net/users/m/martinbw/ftp/incoming/         *
* I have a 486DX33 to play games and run some HAM programs,    *
* when I want to do serious work I use a Macintosh. 0-        *
*****
```

From autotune@sinfo.net Sun Jun 16 08:16:48 1996
Received: from ns.sinfo.net (root@ns.sinfo.net [206.27.80.130]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA08239 for <aprssig@tapr.org>; Sun, 16 Jun 1996
08:16:41 -0500 (CDT)
Received: from ns.sinfo.net.sinfo.net ([206.27.80.119]) by ns.sinfo.net
(8.6.9/8.6.9) with SMTP id IAA17915 for <aprssig@tapr.org>; Sun, 16 Jun 1996
08:03:45 -0400
Date: Sun, 16 Jun 1996 08:03:45 -0400
Message-Id: <199606161203.IAA17915@ns.sinfo.net>
X-Sender: autotune@sinfo.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "Edward D. Tune" <autotune@sinfo.net>
Subject: Re: [APRSSIG:2007] Re: winAPRS/win95, extra serial ports.

Will agree that the a large number of comm ports can be expensive. I run the
Digi board 8ei which give me an additional 8 comm ports (10 total). The Digi's
(they have 4's, 8's and 16's) operate using 1 IRQ and a 64k block of memory.
All data is transfered thru that block. The board has an on-board processor

that further sends it on its way to the proper port. I have been using mine to run several modems for a land-line BBS. Cost, through BBS Solutions, was \$601. There are additions that can be purchased. You can go to 'RJ' style connectors or DB-9's or 25's. They are also very nice in creating a small LAN but I have never used mine in that way. Installation took about 5 minutes for the card and 2 minutes for the software. Getting ready to add a second one!

73's fm Panama

Otto, HP1XNE/KV7J

From wnolle@ix.netcom.com Sun Jun 16 08:36:26 1996
Received: from dfw-ix9.ix.netcom.com (dfw-ix9.ix.netcom.com [206.214.98.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA08974 for <aprssig@tapr.org>; Sun, 16 Jun 1996 08:36:22 -0500 (CDT)
Received: from LOCALNAME (hun-a11-29.ix.netcom.com [205.184.6.61]) by dfw-ix9.ix.netcom.com (8.6.13/8.6.12) with SMTP id EAA19923 for <aprssig@tapr.org>; Sun, 16 Jun 1996 04:08:13 -0700
Message-ID: <31C40725.43DB@ix.netcom.com>
Date: Sun, 16 Jun 1996 06:07:49 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: USGS FILES
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Question, are the 100k opt data files on USGS still usable since they changed format a while back?. If so they need to be unblocked, they recommend CHOP.ZIP but i haven't been able to make that work for some reason (Probably giving it the wrong command). I know UNBLOCK.BAS is listed on tapr but tapr seems to be down and i haven't been able to access it for a while again.

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From jleonard@tbcnet.com Sun Jun 16 08:52:57 1996
Received: from tbc1.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA09458 for <aprssig@tapr.org>; Sun, 16 Jun 1996 08:52:54 -0500 (CDT)
Received: from ts247.tbcnet.com (ts247.tbcnet.com [207.112.227.47]) by tbc1.tbcnet.com (8.7.4/8.7.3) with SMTP id HAA13050 for <aprssig@tapr.org>; Sun, 16 Jun 1996 07:06:10 -0500
Date: Sun, 16 Jun 1996 07:06:10 -0500
Message-Id: <199606161206.HAA13050@tbc1.tbcnet.com>
X-Authentication-Warning: tbc1.tbcnet.com: Host ts247.tbcnet.com [207.112.227.47] didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: "John B. Leonard, Jr" <jleonard@tbcnet.com>

Subject: Re: [APRSSIG:2007] Re: winAPRS/win95, extra serial ports.

My 386 has a buss mouse adapter card in it, set for IRQ 5, which freed up the serial ports for tnc/U-II. Got the adapter card at a hamfest for 19\$. Now I can run APRSdos/WinAPRS with a U-II, and still have a mouse.

73

Barry

At 00:40 6/16/96 -0500, you wrote:

>>I want to hook up my Ultimeter II to my PC to work under win95. Now I know
>>that winAPRS can work with any serial port however I'm not sure where I can
>>get an extra serial card to work on com5 etc. I've had a look round the
>>local computer shows but no joy. Anyone got any ideas? Is it possible to
>>modify a standard serial card to work at another address? Do I need a TSR
>>program to run the extra serial cards?

>

> I dont know that you can go beyond COM 4 with standard serial cards. I do
>know that you can buy Multi-Port serial cards with 8 or 16 ports on them.
>They are commonly used for BBS's. They use a driver that assigns all the
>ports etc. These can be VERY Expensive unless you can find them used
someplace.

> I bought my serial card from a Computer City store, it works fine with my
>Pentium and Win95.

>

>Hope this info helps, 73

>

>Roger Sellers

>Amateur Radio: KB9LBU

>E-Mail Home: rsellers@misha.net

>E-Mail Work: rsellers@snds.com

>

J Barry Leonard/N9VJQ

DeKalb IL

E-MAIL: jleonard@tbcnet.com

WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>

From bruninga@nadm.navy.mil Sun Jun 16 09:03:53 1996

Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA10231 for <aprssig@tapr.org>; Sun, 16
Jun 1996 09:03:48 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
KAA16982; Sun, 16 Jun 1996 10:04:36 -0400

Date: Sun, 16 Jun 1996 10:04:36 -0400 (EDT)

From: Bob Bruninga <bruninga@nadm.navy.mil>

To: Carolyn Cavanagh <cjcavanagh@msn.com>

cc: aprssig@tapr.org

Subject: APRSdos map limits
In-Reply-To: <UPMAIL02.199606152231100715@msn.com>
Message-ID: <Pine.SUN.3.91.960616095926.16803D-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jack Cavanagh asked about the exact 3000 limit in APRSdos maps. Here is the scoop...

The 2999 limit is the array size.

```
0,0      * These two lines are combined into one array location
7,name   * The 0,0 and 7,name combine to 0,7 in the array
x,y
x,y
```

That is why you can have no X values of zero, since it will look like a new line...

de wb4apr@amsat.org

From jleonard@tbcnet.com Sun Jun 16 09:12:51 1996
Received: from tbc1.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA10377 for <aprssig@tapr.org>; Sun, 16 Jun 1996 09:12:48 -0500 (CDT)
Received: from ts244.tbcnet.com (ts244.tbcnet.com [207.112.227.44]) by tbc1.tbcnet.com (8.7.4/8.7.3) with SMTP id JAA14371 for <aprssig@tapr.org>; Sun, 16 Jun 1996 09:12:47 -0500
Date: Sun, 16 Jun 1996 09:12:47 -0500
Message-Id: <199606161412.JAA14371@tbc1.tbcnet.com>
X-Authentication-Warning: tbc1.tbcnet.com: Host ts244.tbcnet.com [207.112.227.44] didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>

APRS users in the No IL area may like to go directly to the ftp site at:

<ftp.tbcnet.com/pub/jleonard>

for APRS76D.ZIP, maps for the area, and some DLG map aids, thx to Bill Nolle/EER.

73 and hope 2 CU on FD

J Barry Leonard/N9VJQ
DeKalb IL
E-MAIL: jleonard@tbcnet.com
WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>

From tdrumm@sparc.isl.net Sun Jun 16 09:16:26 1996
Received: from sparc.isl.net (root@sparc.isl.net [199.3.25.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id JAA10408 for <aprssig@tapr.org>; Sun, 16 Jun 1996
09:16:23 -0500 (CDT)
Received: from ppp-31.isl.net (ppp-31.isl.net [199.3.25.80]) by sparc.isl.net
(8.7.4/8.7.3) with SMTP id JAA20766 for <aprssig@tapr.org>; Sun, 16 Jun 1996
09:22:07 -0500 (CDT)
Message-Id: <199606161422.JAA20766@sparc.isl.net>
X-Sender: tdrumm@sparc.isl.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 16 Jun 1996 09:17:12 -0500
To: aprssig@tapr.org
From: tdrumm@sparc.isl.net (Tony Drumm)
Subject: GPS20 questions

Well, I guess I forgot to mention how long I waited since everyone asked me that! I set it outside for a good hour. The blackjack antenna was on it for probably 20 minutes or so. I wanted to give it time. Sounds like it needs even more.

When I first started it, it was cycling through the birds, one at a time. I took that to be "searching the sky". Eventually, it ended up with the two lines of 8 satellites that I put in my earlier note. I interpreted that as having finished the search. I'll set it out for a longer period and see what happens.

73.
Tony Drumm
Rochester, MN
internet: tdrumm@isl.net
Packet: aa0sm@wd0gnk.#semn.mn.usa.na

From sdimse@bridge.net Sun Jun 16 09:16:27 1996
Received: from relay6.UU.NET (relay6.UU.NET [192.48.96.16]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id JAA10409 for <aprssig@tapr.org>; Sun, 16 Jun 1996
09:16:24 -0500 (CDT)
Received: from bridge.net by relay6.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQauir10284; Sun, 16 Jun 1996 08:20:44 -0400 (EDT)
Received: from [204.253.4.85] (ppp-mia2-85.bridge.net [204.253.4.85]) by
bridge.net (8.7.5/8.7.3) with SMTP id IAA18115 for <aprssig@tapr.org>; Sun, 16 Jun
1996 08:17:57 -0400 (EDT)
Message-Id: <199606161217.IAA18115@bridge.net>
Subject: Re: [APRSSIG:1998] Re: HOW ACCURATE is the clock?
Date: Sun, 16 Jun 96 08:20:44 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>Finally, just as orbits should always be thought of as ellipses, so should
>the
>position solutions be considered as intersections of individual ellipsoids.
>It's hard to achieve a perfect circle or sphere!

But if you are talking about ranges or pseudoranges from a satellite,
that is a theoretical construct, and therefore easy to make a sphere or
circle...unless you are implying that radio signals propagate through the
'ether' at different speeds in different directions. I'm pretty sure
Einstein et. al. settled that!

From bruninga@nadm.navy.mil Sun Jun 16 09:24:21 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA11070 for <aprssig@tapr.org>; Sun, 16
Jun 1996 09:24:18 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
KAA17152; Sun, 16 Jun 1996 10:25:13 -0400
Date: Sun, 16 Jun 1996 10:25:12 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: Bulletins
In-Reply-To: <31C410BF.3238@ix.netcom.com>
Message-ID: <Pine.SUN.3.91.960616101522.16803G-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 16 Jun 1996, someone wrote:

> Bob, We have several users in XXXXX that are using Bulletins to advertise
> their mailbox for skywarn info. It's up there week in week out and gets
> anoying after a while, specially since they use Digi,Digi,Wide.

APRSDOS REPLY COMMENT: This is a problem. We have several EGO bulletins
in our area too. Most of these Bulletins should be BEACONS. APRS was
designed with two primary screens, the MAP and the LATEST BEACONS page
(more got added later). The map shows posits and the LATEST BEACON page
shows you the ONE-LINE status or BEACON from each station. Look at the
LATEST BEACON page for a one page summary of what EVERY station is doing.

On the Naval Academy boats, the crews are required to update their
BEACONS once every 4 hour watch. Then the duty officer at the Academy
can see at a glance the status of all boats on the LATEST BEACON page.

I do not get the feeling that HAMS are using the BEACONS as their
ONE-LINE BULLETIN to the WORLD as it should be...

de wb4apr@amsat.org

From wa4dsy@wa4dsy.radio.org Sun Jun 16 09:36:19 1996
Received: from smtp-gw01.ny.us.ibm.net (smtp-gw01.ny.us.ibm.net [165.87.194.252])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA11494 for <aprssig@tapr.org>; Sun,
16 Jun 1996 09:36:15 -0500 (CDT)

Received: (from uucp@localhost) by smtp-gw01.ny.us.ibm.net (8.6.9/8.6.9) id OAA08067 for < aprssig@tapr.org>; Sun, 16 Jun 1996 14:36:01 GMT
Message-Id: <199606161436.OAA08067@smtp-gw01.ny.us.ibm.net>
Received: from wa4dsy-1.wa4dsy.radio.org(206.28.196.146) by smtp-gw01.ny.us.ibm.net via smap (V1.3mjr)
id smaH2cDmb; Sun Jun 16 14:35:51 1996
Date: Sun, 16 Jun 96 10:35:48 EDT
From: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
Reply-To: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
To: aprssig@tapr.org
X-Mailer: Dale Heatherington's PMMail v1.1
Subject: Re: [APRSSIG:2004] Re: WinAPRS and OS/2 Warp

On Sat, 15 Jun 1996 22:25:01 -0500 (CDT) you wrote:>> >
>> >>Let's go for a port to a REAL opsys WinNT.
>>
>> No port is necessary - WinAPRS runs quite well under
>> NT right now and, in fact, is a native NT application and
>> was developed by the Brothers Sproul on NT. I use
>> NT almost exclusively, like OS/2 and the Mac fine, but
>> detest Windows 95 (not enough to intentionally misspell
>> it, though)
>>
>> 73 de KB9JTT
>>
>> >
>
>I must confess that I have not run WinAPRS as of yet, so forgive
>my ignorance. Nice to know that someone is developing software
>on a "real" OS... Now, I'll have to try it! :-)

For information on another "real" operating system
goto:

<http://www.austin.ibm.com/pspinfo/os2.html>

Dale Heatherington, WA4DSY
e-mail - wa4dsy@wa4dsy.radio.org
Web page - www.wa4dsy.radio.org
This message brought to you by OS/2 Warp Connect.

From wnolle@ix.netcom.com Sun Jun 16 09:50:18 1996
Received: from dfw-ix5.ix.netcom.com (dfw-ix5.ix.netcom.com [206.214.98.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA12249 for <aprssig@tapr.org>; Sun, 16 Jun 1996 09:50:14 -0500 (CDT)
Received: from LOCALNAME (hun-a11-17.ix.netcom.com [205.184.6.49]) by dfw-ix5.ix.netcom.com (8.6.13/8.6.12) with SMTP id HAA19017 for <aprssig@tapr.org>; Sun, 16 Jun 1996 07:49:33 -0700

Message-ID: <31C43B15.38D8@ix.netcom.com>
Date: Sun, 16 Jun 1996 09:49:25 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: DFjr & APRS
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is anyone using the DFjr with APRS and GPS yet. I would think by now some of the beta testers would have something (Good or Bad) to say about the system, specially after the antenna problem. I am still waiting for mine after nearly 5 weeks now. I asked if they where really truly shipping any, but never got an answer to that part of my question. Sure would like to hear some feedback from those that actually used the DFjr rather than just looking at the Agrelo web site picture Hi. Does it even work?. Guys i'm not trying to start something here, but when shelling out that much money for something i haven't heard anybody give any feedback on makes me rather jittery. Now i know Agrelo will stand behind their equipment that's not a problem, Just like to hear some real DF stories!, specially the ones using APRS and GPS with it..

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From sdimse@bridge.net Sun Jun 16 10:02:53 1996
Received: from relay4.UU.NET (relay4.UU.NET [192.48.96.14]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA12725 for <aprssig@tapr.org>; Sun, 16 Jun 1996 10:02:50 -0500 (CDT)
Received: from bridge.net by relay4.UU.NET with ESMTP
 (peer crosschecked as: newworld.bridge.net [204.253.4.4])
 id QQauir28996; Sun, 16 Jun 1996 08:16:56 -0400 (EDT)
Received: from [204.253.4.85] (ppp-mia2-85.bridge.net [204.253.4.85]) by bridge.net (8.7.5/8.7.3) with SMTP id IAA17914 for <aprssig@tapr.org>; Sun, 16 Jun 1996 08:13:57 -0400 (EDT)
Message-Id: <199606161213.IAA17914@bridge.net>
Subject: Re: [APRSSIG:1997] Re: WinAPRS and OS/2 Warp
Date: Sun, 16 Jun 96 08:16:44 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>> I'm casting my vote for a native OS/2 port of WinAPRS.

Brings to mind a T-shirt I saw 6 years ago or so at MacWorld Expo...

PS/2...Yesterday's computers today....
OS/2...Today's operating system tomorrow...

I guess tomorrow got here ;-)

From rkramer@cdx.net Sun Jun 16 10:31:55 1996
Received: from mail.cdx.net (root@[204.101.129.6]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA14188 for <aprssig@tapr.org>; Sun, 16 Jun 1996 10:31:50 -0500 (CDT)
Received: from annex1-08.cdx.net (annex1-08.cdx.net [204.101.129.58]) by mail.cdx.net (8.6.11/8.6.9) with SMTP id KAA24946 for <aprssig@tapr.org>; Sun, 16 Jun 1996 10:42:50 -0400
From: rkramer@cdx.net (Ronald Kramer)
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1988] More serial Port help needed!
Date: Sun, 16 Jun 1996 16:31:43 GMT
Message-ID: <31c43276.197796875@mail.cdx.net>
References: <199606152050.QAA06172@unix.asb.com>
In-Reply-To: <199606152050.QAA06172@unix.asb.com>
X-Mailer: Forte Agent .99e/32.227

On Sat, 15 Jun 1996 15:59:31 -0500 (CDT), you wrote:

>
>My question is why won't com3 work at 3E8 and IRQ 5? Is it to do with IRQ5
>normally being used for LPT2? Anyone got any ideas?
>
>Any help appreciated
>
>Thanks again
>
>de bob w2/g3zfj
>w2g3zfj@unix.asb.com
It will except with APRS, which will only recognizes irq 3 and irq 4
for com 3 and com 4.
Your best bet with win 95, seeing as win95 requires a com mouse
to be on com 1 or com 2 and will not recognize it on any other
com port is to put a buss mouse in the win95 machine, that way
you can use com 1 and com 2 for APRS with standard irq's
That is the only way I could get my system to function with
APRS com 1, tnc, com 2, U2000 , and bus mouse
hope that this helps you out

Regards, Ron ... 73 de Ron
Internet: rkramer@cdx.net (Ron Kramer)
Packet: ve3mx@ve3snr.#niag.on.can (sysop VE3SNP BBS)

From wvolle@ix.netcom.com Sun Jun 16 11:27:47 1996
Received: from dfw-ix9.ix.netcom.com (dfw-ix9.ix.netcom.com [206.214.98.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA17151 for <aprssig@tapr.org>; Sun, 16 Jun 1996 11:27:44 -0500 (CDT)
Received: from LOCALNAME (hun-a11-07.ix.netcom.com [205.184.6.39]) by dfw-ix9.ix.netcom.com (8.6.13/8.6.12) with SMTP id JAA27877 for <aprssig@tapr.org>; Sun, 16 Jun 1996 09:27:25 -0700
Message-ID: <31C45200.2E2@ix.netcom.com>

Date: Sun, 16 Jun 1996 11:27:12 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2014] APRSdos map limits
References: <Pine.SUN.3.91.960616095926.16803D-100000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> Jack Cavanagh asked about the exact 3000 limit in APRSdos maps. Here is
> the scoop...
>
> The 2999 limit is the array size.
> 0,0 * These two lines are combined into one array location
> 7,name * The 0,0 and 7,name combine to 0,7 in the array
> x,y
> x,y
>
> That is why you can have no X values of zero, since it will look like a
> new line...
>
> de wb4apr@amsat.org I guess the reason jack was asking is because when i run the
100 map grid
about 6 or 8 of the maps showed as being over the 3000 point mark, after
loading them into mapfix most where under the 3000 point mark. He is trying
to fine tune the software.

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From cedgar@pacificnet.net Sun Jun 16 11:30:05 1996
Received: from polaris.pacificnet.net (root@polaris.pacificnet.net
[205.199.120.250]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA17261 for
<aprssig@tapr.org>; Sun, 16 Jun 1996 11:30:00 -0500 (CDT)
Received: from pm1-0.pacificnet.net (pm1-0.pacificnet.net [206.101.8.130]) by
polaris.pacificnet.net (8.6.11/8.6.11) with SMTP id JAA28493 for
<aprssig@tapr.org>; Sun, 16 Jun 1996 09:24:36 -0700
Date: Sun, 16 Jun 1996 09:24:36 -0700
Message-Id: <199606161624.JAA28493@polaris.pacificnet.net>
X-Sender: cedgar@pacificnet.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: clyde edgar <cedgar@pacificnet.net>
Subject: Re: GPS Home Page

using the USGS data files, i finall figured out how to go about doing it now. It has been so long since i downloaded those files that i forgot how to handle them. I noticed one thing tough that the USGS files are slower then taking them right from the CD. Bob if you need anymore help with those Atlanta (City Maps) let me know i have all the data for it now.

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From BordingK@aol.com Sun Jun 16 13:52:58 1996

Received: from emout10.mail.aol.com (emout10.mx.aol.com [198.81.11.25]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA23090 for <aprssig@tapr.org>; Sun, 16 Jun 1996 13:52:50 -0500 (CDT)

From: BordingK@aol.com

Received: by emout10.mail.aol.com (8.6.12/8.6.12) id OAA10344 for aprssig@tapr.org; Sun, 16 Jun 1996 14:52:30 -0400

Date: Sun, 16 Jun 1996 14:52:30 -0400

Message-ID: <960616145229_415311922@emout10.mail.aol.com>

To: aprssig@tapr.org

Subject: PK-12 Tracker Problems

Another General Plea for Assistance:

1. Attempting to build a stand-alone GPS Tracker for the vehicle. Using AEA PK-12 (with GPS ROM), Radio Shack HTX-202 HT, and Magellan Trailblazer GPS. Device will not automatically transmit posits at the selected intervals. Same cable works with VISTA Moving Map software which reads NMEA data and displays position.

2. As per the AEA PK-12 GPS instructions entered:

- a. MY KF4COH-9
- b. UN APRS via RELAY
- c. GLOctx 2 (20 seconds)
- d. GNMEA1 \$GPGLL
- e. GNMEA2 \$ GPVTG
- f. Then GPSMode 1

3. Following Troubleshooting and Results:

a. Hooked same PK-12 and HT up to laptop running WinAPRS and it beacons and sends Non-GPS posits at selected rate. Keys transmitter and sends a packet.

b. Hooked the GPS up to a laptop running Windows Terminal program and watched NMEA data flow by.

c. Put it all n the car and nothing happens!

4. Any suggestions?

'73s
de KF4COH
Ken Bording,
Jacksonville, FL

From rwf@mindspring.com Sun Jun 16 14:12:05 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA23728 for <aprssig@tapr.org>; Sun, 16
Jun 1996 14:12:00 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com
with SMTP id PAA01896 for <aprssig@tapr.org>; Sun, 16 Jun 1996 15:11:53 -0400
Date: Sun, 16 Jun 1996 15:11:53 -0400
Message-Id: <2.2.16.19960616150934.22af065a@mindspring.com>
X-Sender: rwf@mindspring.com (Unverified)
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2001] Re: Need Help with Stand-Alone Tracker!!!

At 09:40 PM 6/15/96 -0500, Sam wrote:
>REMEMBER: the GPSHEAD strings on a KPC-3 MUST be set to all Caps. or
>it won't be accepted into the Buffers for transmit.

....and the GPS has to be set to output NMEA data correctly, too ; -)

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical
Advisor
 rwf@mindspring.com or n4neq@amsat.org
Atlanta, GA USA
 Web: http://www.mindspring.com/~rwf for APRS, ATV, Balloon, and
Ham info
My hobby is tracking Vehicles and other things using Ham Radio, GPS and
APRS. Ask me how!

From rwf@mindspring.com Sun Jun 16 14:12:05 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA23729 for <aprssig@tapr.org>; Sun, 16
Jun 1996 14:12:01 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com
with SMTP id PAA01902 for <aprssig@tapr.org>; Sun, 16 Jun 1996 15:11:55 -0400
Date: Sun, 16 Jun 1996 15:11:55 -0400
Message-Id: <2.2.16.19960616150936.272ff1d0@mindspring.com>
X-Sender: rwf@mindspring.com (Unverified)
X-Mailer: Windows Eudora Pro Version 2.2 (16)

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2002] Re: WinAPRS and OS/2 Warp

At 10:01 PM 6/15/96 -0500, Wilson wrote:

>No port is necessary - WinAPRS runs quite well under
>NT right now and, in fact, is a native NT application and
>was developed by the Brothers Sproul on NT.

I understood it was developed by the Sprouls on a MACINTOSH and cross
compiled to 95 or NT.

I think they tested it on both platforms, but developed it on neither.
That's what I devived from their speech at Dayton.

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical
Advisor
 rwf@mindspring.com or n4neq@amsat.org
Atlanta, GA USA
 Web: http://www.mindspring.com/~rwf for APRS, ATV, Balloon, and
Ham info
My hobby is tracking Vehicles and other things using Ham Radio, GPS and
APRS. Ask me how!

From KD4EMI@aol.com Sun Jun 16 15:21:35 1996
Received: from emout14.mail.aol.com (emout14.mx.aol.com [198.81.11.40]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA26206 for <aprssig@tapr.org>; Sun, 16
Jun 1996 15:21:31 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout14.mail.aol.com (8.6.12/8.6.12) id QAA05451 for
aprssig@tapr.org; Sun, 16 Jun 1996 16:21:20 -0400
Date: Sun, 16 Jun 1996 16:21:20 -0400
Message-ID: <960616162119_557460384@emout14.mail.aol.com>
To: aprssig@tapr.org
Subject: Stamp controller for ICOM available

Ive finished work on the stamp controller for my IC706.
The stamp will work on all icom radios. I am trying to locate other brand
radios and see if I can make stamps for them as well.

What will it do ?

At present :

The stamp controller will change the freq, mode, and practically any other
computer controlled parameter on the radio automatically. You select the time
you want to change and there it is.

For example, you can operated 1 band in the morning, and have the radio

change freqs in the afternoon and again at night.

Also, you can send instructions to your tnc to change it's parameters as well. Operate GTOR in the morning, Packet at night, or whatever makes you happy. While mobile, the real beauty of this device is that you can (with an autotuner) operate APRS on VHF and HF (With a IC706). When the stamp gets data from a KAM on the VHF side, it switches the radio to VHF, and the same for HF.

Im still working on the recieve part, but many of us just xmit our positions. In addition, I'm working on having the stamp send ack1 , ack2 etc to stations sending one line messages via aprs. (Ive not yet got it to send it to the mailbox). IT will store these msgs in a buffer, and you can d/l it later.

I also hope to have the voice interface on line that uses a separate voice chip that might be able to read some data aloud...This is in the future version.

Working knowlege of stamps isnt required but helpfull. I will not sell these devices yet, but working out some details to offer them commercially. I wanted to announce that they will be available soon.

If anyone has an "EMERGENCY" application that really needs one of these, I can loan one out. (Eg Special event, emergency, etc)

One APRS user has asked me to see if I can read NMEA data from a gps. Ive tried everything and have not been able to .. I hope that if someone has done this, they could offer me some advice.
(though not sure why Id want to be able to quite yet)

The lightning monitor has proven a bit more difficult. I can get it to talk to the computer, but need someone who can write the code (Bob ?) that will read the strikes and make the data xmits.

Michael
KD4EMI@AOL.COM

From jra@ag9v.ampr.org Sun Jun 16 15:26:46 1996
Received: from udcps.cps.udayton.edu ([131.238.17.4]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA26284 for <aprssig@tapr.org>; Sun, 16 Jun 1996
15:26:43 -0500 (CDT)
Received: by udcps.cps.udayton.edu (Smail3.1.29.1 #5)
id m0uV00W-0001D1C; Sun, 16 Jun 96 16:26 EDT
Received: from ag9v.ampr.org (localhost [127.0.0.1]) by ag9v.ampr.org
(8.7.4/8.6.9) with ESMTP id NAA29061 for <aprssig@tapr.org>; Sun, 16 Jun 1996
13:07:00 -0400
Message-Id: <199606161707.NAA29061@ag9v.ampr.org>
X-Mailer: exmh version 1.6.4 10/10/95
To: aprssig@tapr.org

Subject: NMEA Display Board?
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Date: Sun, 16 Jun 1996 13:06:55 -0400
From: John Ackermann <jra@ag9v.ampr.org>

I thought I saved the message, but I didn't. Could someone forward me the info about the unit that takes NMEA input and outputs to an LCD display? I need a couple of those things...

73,
John AG9V
jra@febo.com

From christen@codger.physics.duq.edu Sun Jun 16 15:29:49 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA26349 for <aprssig@tapr.org>; Sun, 16 Jun 1996 15:29:46 -0500 (CDT)
Received: from wm11.icubed.com by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM)
id AA22671; Sun, 16 Jun 1996 16:26:31 -0400
Sender: paul@infobahn.icubed.com
Message-Id: <31C46EAE.2EF3CCC6@codger.physics.duq.edu>
Date: Sun, 16 Jun 1996 16:29:34 -0400
From: "P. Christenson" <christen@codger.physics.duq.edu>
X-Mailer: Mozilla 3.0b4Gold (X11; I; Linux 1.2.13 i486)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2011] Re: winAPRS/win95, extra serial ports.
References: <199606161203.IAA17915@ns.sinfo.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Edward D. Tune wrote:

>

> Will agree that the a large number of comm ports can be expensive. I run the
> DigiBoard 8ei which give me an additional 8 comm ports (10 total).

> Cost, through BBS Solutions, was \$601.

Cyclades has a special promotion going on for sysops, ISPs, and resellers. Their 8Y0 card, which is 8 DB25s on an "octopus cable", is \$199. It's a coprocessed card like the DigiBoard.

Their historical user base has been Unix systems, so most of their drivers are written for that. (Plus, a DOS INT14 driver.) An OS/2 driver is out, as well. An NT version was just released, and a 95 driver is "to be released".

I've been using one under Linux for about a year now, and it works really well. I hooked two ports together with a null modem adapter, and transferred several megs via Zmodem at 115K. Barely noticed a rise in processor utilization; most of that was probably in Zmodem.

Check them out.. <http://www.cyclades.com>

From gphowell@interramp.com Sun Jun 16 16:03:36 1996
Received: from smtp1.interramp.com (smtp1.interramp.com [38.8.45.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA28131 for <aprssig@tapr.org>; Sun, 16 Jun 1996 16:03:33 -0500 (CDT)
From: gphowell@interramp.com
Received: from smtp.interramp.com by smtp1.interramp.com (8.6.12/SMI-4.1.3-PSI-irsmtp) id RAA18012; Sun, 16 Jun 1996 17:03:28 -0400
Message-Id: <199606162103.RAA18012@smtp1.interramp.com>
Date: Sun, 16 Jun 96 17:01:28 +0100
To: aprssig@tapr.org
Subject: Re: [APRSSIG:1999] Re: WinAPRS and OS/2 Warp
In-Reply-To: <199606160053.TAA02899@solar.cs.tamu.edu>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

An OS2 version would be welcome here too. Would be interesting to see what a native OS2 compiler would do with the windows code -- make a deal, gerry!

Geep WA4RTS

--

gphowell@interramp.com

From Al@w6dnt.ampr.org Sun Jun 16 16:27:49 1996
Received: from vk2xoc.ampr.org (vhf433.vk2xoc.ampr.org [44.4.94.32]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA28776 for <aprssig@tapr.org>; Sun, 16 Jun 1996 16:26:20 -0500 (CDT)
Received: from w6dnt.ampr.org by vk2xoc.ampr.org (TNOS2.02pl2/U) with SMTP id AA18094 ; Sun, 16 Jun 96 14:12:56 -0700
Received: from at.w6dnt.ampr.org by w6dnt.ampr.org with SMTP id AA3206 ; Sun, 16 Jun 96 14:14:48 -08
Date: Sun, 16 Jun 96 14:05:30 -08
Message-Id: <208@w6dnt.ampr.org>
Sender: Al@w6dnt.ampr.org (Al Chan - W6DNT)
From: Al@w6dnt.ampr.org (Al Chan - W6DNT)
Reply-To: Al@w6dnt.ampr.org
To: aprssig%tapr.org@w6dnt.ampr.org, al.chan%toadhall.com@w6dnt.ampr.org, alchan%ix.netcom.com@w6dnt.ampr.org
Subject: Re: HOW ACCURATE is the clock?

On June 15, 1996 Steve Dimse wrote:

>>But if you are talking about ranges or pseudoranges from a satellite,
>>that is a theoretical construct, and therefore easy to make a sphere or
>>circle...

That is correct. Since the speed of light is absolute; and thus light waves travel at the same speed in all directions, therefore the propagation of the light waves from a point source is spherical.

-al chan w6dnt

Al@w6dnt.ampr.org

From mark.endicott@nashville.com Sun Jun 16 17:01:47 1996
Received: from nashville.com (ns1.nashville.com [199.78.224.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA00554 for <aprssig@tapr.org>; Sun, 16 Jun 1996 17:01:45 -0500 (CDT)
Message-Id: <199606162201.RAA00554@tapr.org>
From: mark.endicott@nashville.com
Reply-To: mark.endicott@nashville.com
Subject: Re:[APRSSIG:2026] PK-12 Tracker Problems
To: aprssig@tapr.org
X-Mailer: TSX-BBS
Date: Sun, 16 Jun 96 16:58:56
Organization: <http://WWW.NASHVILLE.COM> * Modem: 615-383-0727

Ken:

Make sure that you have GPSA "ON" otherwise the PK12 will power up in the Command Mode. It will then look for the NEMA string and start buffering the data. Turn the GPS on before you turn the PK12 on so the stream is present. Let me know if you have any problems I have a PK12 in my Jeep.

If Found, Please Return To:

```
----- \
|      Mark Endicott      \
|      P.O. Box 148242    \
|      Nashville, Tennessee 37214  >
|      WB0N00             /
|      mark.endicott@nashville.com  /
|-----/
```

From willf@rrgroup.com Sun Jun 16 17:53:39 1996
Received: from rrgroup3.rrgroup.com (rrgroup3.rrgroup.com [204.95.173.65]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA02979 for <aprssig@tapr.org>; Sun, 16 Jun 1996 17:53:37 -0500 (CDT)
Received: by rrgroup3.rrgroup.com with Microsoft Exchange (IMC 4.0.837.3)

id <01BB5BAC.67248610@rrgroup3.rrgroup.com>; Sun, 16 Jun 1996 17:51:10 -0500
Message-ID:
<c=US%a=_%p=RRSystemsGroup%l=RRGROUP3-960616225109Z-1166@rrgroup3.rrgroup.com>
From: Willson Flor <willf@rrgroup.com>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:2028] Re: WinAPRS and OS/2 Warp
Date: Sun, 16 Jun 1996 17:51:09 -0500
X-Mailer: Microsoft Exchange Server Internet Mail Connector Version 4.0.837.3
Encoding: 44 TEXT

You wrote:

>-----
>From: rwf[SMTP:rwf@mindspring.com]
>Sent: Sunday, June 16, 1996 2:30 PM
>To: aprssig@tapr.org
>Subject: [APRSSIG:2028] Re: WinAPRS and OS/2 Warp
>
>>At 10:01 PM 6/15/96 -0500, Wilson wrote:

Who's "Wilson"? I hope you don't mean me! Calling Windows
"Windoze" is one thing, but calling anybody named "Willson"
"Wilson" is simply inexcusable. ;-)

>>
>>>No port is necessary - WinAPRS runs quite well under
>>>NT right now and, in fact, is a native NT application and
>>>was developed by the Brothers Sproul on NT.
>>
>>I understood it was developed by the Sprouls on a MACINTOSH and cross
>>compiled to 95 or NT.

MacAPRS was developed on a Mac, WinAPRS was "cross-compiled" - I assure
you,
as a professional software developer for 17 years, this **is** a
development process -
on WinNT.

>>I think they tested it on both platforms, but developed it on neither.

This is probably a semantic difference between our points of view,
Ralph. To me, what
they did on NT counts as development, too - they started without
functional software on
NT, and did a bunch of stuff that resulted in having functional software
on NT. That's
all I meant.

>>That's what I devived from their speech at Dayton.

This info comes to me straight from the Sprouls, unless my memory is
faulty.

73 de KB9JTT

From snabkey@wingsbbs.com Sun Jun 16 18:06:27 1996
Received: from wingsbbs.com ([205.243.16.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA04643 for <aprssig@tapr.org>; Sun, 16 Jun 1996 18:06:25 -0500 (CDT)
Message-Id: <199606162306.SAA04643@tapr.org>
Received: from inertia.net by wingsbbs.com
with SMTP (IPAD 1.1a) id 2234400 ; Sun, 16 Jun 96 18:14:56 UTC
Comments: Authenticated sender is <snabkey@wingsbbs.com>
From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
To: aprssig@tapr.org
Date: Sun, 16 Jun 1996 19:06:08 -0000
Subject: Re: [APRSSIG:2027] Re: Need Help with Stand-Alone Tracker!!!
X-Confirm-Reading-To: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
X-pmrqc: 1
Return-receipt-to: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.23)

On 16 Jun 96 at 14:29, rwf wrote:

> At 09:40 PM 6/15/96 -0500, Sam wrote:
> >REMEMBER: the GPSHEAD strings on a KPC-3 MUST be set to all Caps.
> >or it won't be accepted into the Buffers for transmit.
>
>
> ...and the GPS has to be set to output NMEA data correctly, too
> ;-)
>

He had said a NULL modem cable to his computer was showing proper NEMA Data. . .

From bruninga@nadm.navy.mil Sun Jun 16 18:31:11 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA05674 for <aprssig@tapr.org>; Sun, 16 Jun 1996 18:31:09 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id TAA22338; Sun, 16 Jun 1996 19:32:04 -0400
Date: Sun, 16 Jun 1996 19:32:04 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2020] DFjr & APRS
In-Reply-To: <31C43B15.38D8@ix.netcom.com>
Message-ID: <Pine.SUN.3.91.960616192953.22297A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 16 Jun 1996, William Nolle wrote:

> that's not a problem, Just like to hear some real DF stories!, specially
> the ones using APRS and GPS with it..

APRSDos REPLY COMMENT: Me too. No one has everything all hooked up and running out in the car. I expect the APRS user interface will need to be tweaked once people start using it... We are standing by to help.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 16 18:43:46 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA06299 for <aprssig@tapr.org>; Sun, 16 Jun 1996 18:43:43 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id TAA22438; Sun, 16 Jun 1996 19:44:38 -0400
Date: Sun, 16 Jun 1996 19:44:38 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2028] Re: WinAPRS and OS/2 Warp
In-Reply-To: <2.2.16.19960616150936.272ff1d0@mindspring.com>
Message-ID: <Pine.SUN.3.91.960616194347.22297E-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

When can you send me that 15x15 grid????
I need to make those maps ASAP.

Maybe you missed my request to you ... it was embedded in a long message from me about ATLANTA maps...

de wb4apr@amsat.org

From Lew.Midlam@pobox.com Sun Jun 16 19:13:38 1996
Received: from perseus.peganet.com (root@perseus.peganet.com [206.102.200.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA07688 for <aprssig@tapr.org>; Sun, 16 Jun 1996 19:13:35 -0500 (CDT)
Received: from Peganet.peganet.com (peg2-ts27.peganet.com [206.102.200.227]) by perseus.peganet.com (8.6.12/8.6.9) with SMTP id UAA04447 for <aprssig@tapr.org>; Sun, 16 Jun 1996 20:19:13 -0400
Message-ID: <31C4A328.165@pobox.com>
Date: Sun, 16 Jun 1996 20:13:28 -0400
From: Lew Midlam <Lew.Midlam@pobox.com>
Reply-To: Lew.Midlam@pobox.com
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2029] Stamp controller for ICOM available
References: <960616162119_557460384@emout14.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

KD4EMI@aol.com wrote:

>

> I've finished work on the stamp controller for my IC706.

> The stamp will work on all icom radios. I am trying to locate other

> <snip>

Will it work with the ICOM-720A? I bet not.

-Lew W7LVW

From 0004818186@mcimail.com Sun Jun 16 19:43:48 1996
Received: from gatekeeper2.mcimail.com (gatekeeper2.mcimail.com [192.147.45.10])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA08813 for <aprssig@tapr.org>; Sun,
16 Jun 1996 19:43:45 -0500 (CDT)
Received: from mailgate2.mcimail.com (mailgate2.mcimail.com [166.40.135.23]) by
gatekeeper2.mcimail.com (8.6.12/8.6.10) with SMTP id AAA03967; Mon, 17 Jun 1996
00:47:34 GMT
Received: from mcimail.com by mailgate2.mcimail.com id aa25287;
17 Jun 96 0:43 WET
Date: Sun, 16 Jun 96 19:43 EST
From: Miami Network <0004818186@mcimail.com>
To: aprssig <aprssig@tapr.org>
Subject: Re: [APRSSIG:2034] Re:PK-12 Tracker Problems
Message-Id: <20960617004302/0004818186NA1EM@MCIMAIL.COM>

PK-12

Can you tell me what version of chip you have in your PK-12?

The one that we have at the National Hurricane Center in Miami
does not have the firmware to read NMEA data?

73, Seymour, KC4NMY

From wnolle@ix.netcom.com Sun Jun 16 20:16:40 1996
Received: from dfw-ix8.ix.netcom.com (dfw-ix8.ix.netcom.com [206.214.98.8]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA10225 for <aprssig@tapr.org>; Sun, 16
Jun 1996 20:16:36 -0500 (CDT)
Received: from LOCALNAME (hun-a11-20.ix.netcom.com [205.184.6.52]) by dfw-
ix8.ix.netcom.com (8.6.13/8.6.12) with SMTP id SAA12408 for <aprssig@tapr.org>;
Sun, 16 Jun 1996 18:16:02 -0700
Message-ID: <31C4CDEC.1962@ix.netcom.com>
Date: Sun, 16 Jun 1996 20:15:56 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2038] Re: WinAPRS and OS/2 Warp
References: <Pine.SUN.3.91.960616194347.22297E-100000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>

> WHEN can you send me that 15x15 grid????

> I need to make those maps ASAP.
>
> Maybe you missed my request to you ... it was embeeded in a long
> message from me about ATLANTA maps...
>
> de wb4apr@amsat.org-----
Well gosh i didn't see that message i guess. I just got trough making
a grid of 100 Atlanta maps Top left 33,55.68N x 84,33.76W
Bottom right 33,35.42N x 84,01.47W Hope that covers the area your
interested in if not let me know quick. I will tell you one thing
that using the USGS data is about 6 times slower then using the CD
data files. Took 3 hours and 12 minutes to make the 100 maps. When i
made 100 maps from the CD it only took about 40 minutes. Boy i
wouldn't want to try this on a slow machine Hi. By the way every map
made it with less then 3000 points at 1.05 range...

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From mark.endicott@nashville.com Sun Jun 16 21:21:34 1996
Received: from nashville.com (ns1.nashville.com [199.78.224.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA12638 for <aprssig@tapr.org>; Sun, 16 Jun 1996
21:21:31 -0500 (CDT)
Message-Id: <199606170221.VAA12638@tapr.org>
From: mark.endicott@nashville.com
Reply-To: mark.endicott@nashville.com
Subject: Re:[APRSSIG:2040] Re:PK-12 Tracker Problems
To: aprssig@tapr.org
X-Mailer: TSX-BBS
Date: Sun, 16 Jun 96 21:07:43
Organization: <http://WWW.NASHVILLE.COM> * Modem: 615-383-0727

Seymour:

Actually I have two PK12's the one in the car is version 7.01 and the other
is version 7.0. Come to think of it only v7.01 has the GPSA command. I
guess that it is in the most recent version only. I would call AEA and get
an up-grade if you have the older version.

If Found, Please Return To:

```
-----
|                               \
|      Mark Endicott           \
|      P.O. Box 148242          \
|      Nashville, Tennessee 37214 >
|      WB0NOO                   /
|      mark.endicott@nashville.com /
|                               /
|-----
```

From KD4EMI@aol.com Sun Jun 16 21:35:10 1996
Received: from emout07.mail.aol.com (emout07.mx.aol.com [198.81.11.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA13030 for <aprssig@tapr.org>; Sun, 16 Jun 1996 21:35:02 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout07.mail.aol.com (8.6.12/8.6.12) id WAA07189 for aprssig@tapr.org; Sun, 16 Jun 1996 22:34:28 -0400
Date: Sun, 16 Jun 1996 22:34:28 -0400
Message-ID: <960616223427_330268150@emout07.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2039] Re: Stamp controller for ICOM available

In a message dated 96-06-16 20:40:12 EDT, you write:

>
>Will it work with the ICOM-720A? I bet not.
>
>-Lew W7LVW
>
>
>

I understand that if your icom has a computer interface port it will work.
I dont even know what a 720A is...But if it uses the ICOM computer standard, yes it will.

If a 720A doesnt have a computer port, then that question is kinda silly.

Mike
KD4EMI@AOL.COM

From KD4EMI@aol.com Sun Jun 16 21:42:38 1996
Received: from emout12.mail.aol.com (emout12.mx.aol.com [198.81.11.38]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA13164 for <aprssig@tapr.org>; Sun, 16 Jun 1996 21:42:33 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout12.mail.aol.com (8.6.12/8.6.12) id WAA03544 for aprssig@tapr.org; Sun, 16 Jun 1996 22:42:29 -0400
Date: Sun, 16 Jun 1996 22:42:29 -0400
Message-ID: <960616224229_330275491@emout12.mail.aol.com>
To: aprssig@tapr.org
Subject: Need help

Tonight there is a lovely display of heat lightning.

My Lightning monitor is going crazy, indicating strikes every 3 seconds..

The good news is that the amplitude of the pulse it is sending is much smaller than the big BOLTS that we get here.

AND

I was able to detect the incoming storm about 200 miles before it hit.
So at least the theory is feasible, that is, detect the storm before it hits.

I would very much like to be able to direct connect this into a computer or tnc. Using the basic stamp is neat, but adds alot to the cost.

Can any of you programmers come up with a way to count pulses on a rs232 port..? Can a computer tell the diff in amplitude or will I need a box to convert this..? Also, code needed to quantify the pulses to indicate that they are getting closer..

Any help appreciated.
HELLLPPIPPPP ?????

Mike
KD4EMI@AOL.COM

From freelsdr@bright.net Sun Jun 16 21:46:27 1996
Received: from brutus.bright.net (root@brutus.bright.net [205.212.123.10]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA13297 for <aprssig@tapr.org>; Sun, 16 Jun 1996 21:46:23 -0500 (CDT)
Received: from freelsdr (waba1-cs-13.dial.bright.net [205.212.118.113]) by brutus.bright.net (8.7.5/CICNet) with SMTP id WAA09566 for <aprssig@tapr.org>; Sun, 16 Jun 1996 22:45:25 -0400 (EDT)
Message-ID: <31C4C645.79C2@bright.net>
Date: Sun, 16 Jun 1996 22:43:17 -0400
From: "David R. Freels" <freelsdr@bright.net>
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: More info on -14 problem
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Had some more info on the ack problem. I am running 76D at the digi.
Version 76 in the truck.

I have tried to send messages to WinAprs with the same problem.

I have no MacAprs users in my area.

I've tried new installs of aprs with no luck.

Thanks if you need any other info please let me know.

73

ka8zge@amsat.org
freelsdr@bright.net

From ku0g@sprynet.com Sun Jun 16 23:40:31 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA17917 for <aprssig@tapr.org>; Sun, 16 Jun 1996 23:40:28 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.151.8] (dd09-008.compuserve.com [199.174.151.8]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id VAA13486 for <aprssig@tapr.org>; Sun, 16 Jun 1996 21:38:22 -0700
Date: Sun, 16 Jun 1996 21:38:22 -0700
Message-Id: <199606170438.VAA13486@m1.sprynet.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: ADA Wheels to Weston Ride...
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

The American Diabetes Association "Wheels to Weston" Bike Ride went off this morning despite some severe thunderstorms in the Kansas City area. Generally speaking the APRS portion of the ride was successful but there were a few minor problems. We learned a lot today! I'll be posting a complete review along with a track history sometime Monday...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From k4ubr@ix.netcom.com Mon Jun 17 02:56:45 1996
Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id CAA00176 for <aprssig@tapr.org>; Mon, 17 Jun 1996 02:56:42 -0500 (CDT)
Received: from jac-fl1-17.ix.netcom.com (jac-fl1-17.ix.netcom.com [204.31.245.49]) by dfw-ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id AAA16257 for <aprssig@tapr.org>; Mon, 17 Jun 1996 00:56:17 -0700
Message-ID: <31C539FD.3172@ix.netcom.com>
Date: Mon, 17 Jun 1996 03:57:01 -0700
From: Gerald Green <k4ubr@ix.netcom.com>
X-Mailer: Mozilla 2.0 (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2044] Need help
References: <960616224229_330275491@emout12.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

KD4EMI@aol.com wrote:

>
> Tonight there is a lovely display of heat lightning.
>
> My Lightning monitor is going crazy, indicating strikes every 3 seconds..
>
> The good news is that the amplitude of the pulse it is sending is much
> smaller than the big BOLTS that we get here.
> AND
> I was able to detect the incoming storm about 200 miles before it hit.
> So at least the theory is feasible, that is, detect the storm before it hits.
>
> I would very much like to be able to direct connect this into a computer or
> tnc. Using the basic stamp is neat, but adds alot to the cost.
>
> Can any of you programmers come up with a way to count pulses on a rs232
> port..? Can a computer tell the diff in amplitude or will I need a box to

> convert this..? Also, code needed to quantify the pulses to indicate that
> they are getting closer..
>
> Any help appreciated.
> HELLLLLPPPPP ?????
>
> Mike
> KD4EMI@AOL.COMHi Mike,

I am very interested in lightning detection using VLF (2 - 8 Khz) receivers and associated whistlers chorus etc which is also attributed to lightning. I have Steve McGreevy's WR3E receiver coming to use in my recording of induced lightning strikes here at Camp Blanding, Fla (Starke FL) where Dr Uman of Univ of Fla (Gainesville) is conducting experiments in lightning affects on underground/buried utilities and is inducing the lightning by firing rockets with wire back to earth so that he has, more or less, lightning on demand. Your application to detect range and azimuth is used in the commercial aircraft "Ryan Storm Scope" which was first described in 73 Magazine in 1963 or 64. I built four basic VLF amps and fed them to the x y plates of a CRT to determine direction and approximate distance (amplitude) but that was a very crude affair compared to the systems in use by NOAA to detect lightning strikes location and frequency. I recommend you look at Univ of Iowa home Page

From k4ubr@ix.netcom.com Mon Jun 17 03:23:23 1996

Received: from dfw-ix1.ix.netcom.com (dfw-ix1.ix.netcom.com [206.214.98.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id DAA01042 for <aprssig@tapr.org>; Mon, 17 Jun 1996 03:22:43 -0500 (CDT)

Received: from jac-fl1-17.ix.netcom.com (jac-fl1-17.ix.netcom.com [204.31.245.49]) by dfw-ix1.ix.netcom.com (8.6.13/8.6.12) with SMTP id BAA00433 for <aprssig@tapr.org>; Mon, 17 Jun 1996 01:20:13 -0700

Message-ID: <31C53F99.77E7@ix.netcom.com>

Date: Mon, 17 Jun 1996 04:20:57 -0700

From: Gerald Green <k4ubr@ix.netcom.com>

X-Mailer: Mozilla 2.0 (Win16; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2044] Need help

References: <960616224229_330275491@emout12.mail.aol.com>

Content-Type: multipart/mixed; boundary="-----78132BAC38E2"

This is a multi-part message in MIME format.

-----78132BAC38E2

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Again,

Sorry but i hit the wrong key and somehow sent the first message incomplete. the pages I have located data on are as last message said Univ of Iowa Steve McGreevy which you can locate with a search engine easily. also Univ of Florida Dr Uman.

What type of detector(s) are you using for your system and

I am not too competent at forwarding files and URL etc but I will try to send it along as an attachment. Hope it works out right.. I am located in Middleburg Florida about 3 Miles North East of Camp Blanding (25 Miles South west of Jacksonville(Duval County) line. I would be intersted in hearing from you and exchange results etc!
73 Jerry Green k4ubr@ix.netcom.com K4UBR@#PLK.FL.USA.NA Rose 904282
>>>>

```
Content-Type: application/octet-stream
Content-Transfer-Encoding: base64
Content-Disposition: attachment; filename="GRAM.EXE"
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[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

From k4ubr@ix.netcom.com Mon Jun 17 04:48:52 1996
Received: from dfw-ix4.ix.netcom.com (dfw-ix4.ix.netcom.com [206.214.98.4]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id EAA03484 for <aprssig@tapr.org>; Mon, 17

Jun 1996 04:48:50 -0500 (CDT)
Received: from jac-fl1-17.ix.netcom.com (jac-fl1-17.ix.netcom.com [204.31.245.49])
by dfw-ix4.ix.netcom.com (8.6.13/8.6.12) with SMTP id CAA13072 for
<aprssig@tapr.org>; Mon, 17 Jun 1996 02:48:30 -0700
Message-ID: <31C5544E.5E9B@ix.netcom.com>
Date: Mon, 17 Jun 1996 05:49:18 -0700
From: Gerald Green <k4ubr@ix.netcom.com>
X-Mailer: Mozilla 2.0 (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2044] Need help
References: <960616224229_330275491@emout12.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

KD4EMI@aol.com wrote:

>
> Tonight there is a lovely display of heat lightning. Hi Again,
I forgot to comment on your use of the words "heat Lightning"!
Actually what is called heat lightning, is only reflections from
very distant storms across an atmosphere that has sufficient moisture
or dust particle to reflect light and it is normally (as I understand)
the higher level (cloud to cloud) lightning that causes the visual
reflections over very wide distances. Recent discoveries of upper
statosphere Red and Blue Spites discharges into the outer space may
be (my observation) the cause of some so called Heat lightning that
is seen many miles away from any known storms.
again 73 and look forward to hearing from you and of your findings!
Jerry K4UBR Middleburg, Fl 32068
>>>>>

From wnolle@ix.netcom.com Mon Jun 17 06:03:30 1996
Received: from dfw-ix5.ix.netcom.com (dfw-ix5.ix.netcom.com [206.214.98.5]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA05767 for <aprssig@tapr.org>; Mon, 17
Jun 1996 06:03:27 -0500 (CDT)
Received: from LOCALNAME (hun-al1-14.ix.netcom.com [205.184.6.46]) by dfw-
ix5.ix.netcom.com (8.6.13/8.6.12) with SMTP id EAA00705 for <aprssig@tapr.org>;
Mon, 17 Jun 1996 04:03:09 -0700
Message-ID: <31C55789.17EE@ix.netcom.com>
Date: Mon, 17 Jun 1996 06:03:05 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2043] Re: Stamp controller for ICOM available
References: <960616223427_330268150@emout07.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

KD4EMI@aol.com wrote:

>
> In a message dated 96-06-16 20:40:12 EDT, you write:
>

> >
> >Will it work with the ICOM-720A? I bet not.
> >
> >-Lew W7LVW
> >
> If a 720A doesnt have a computer port, then that question is kinda silly.
>
> Mike
> KD4EMI@AOL.COM-----
Depends Mike what you mean by computer port, bot my Icom R71A and my
R7000 are controllable by computer, but they do not have an RS232 port.
--
Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From cdavidso@hemisphere.neocomm.net Mon Jun 17 06:48:50 1996
Received: from hemisphere.neocomm.net (root@hemisphere.neocomm.net
[205.160.234.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA08487 for
<aprssig@tapr.org>; Mon, 17 Jun 1996 06:48:46 -0500 (CDT)
Received: from Axton (ppp20.neocomm.net [205.160.234.20]) by
hemisphere.neocomm.net (8.6.11/8.6.9) with SMTP id HAA17038 for
<aprssig@tapr.org>; Mon, 17 Jun 1996 07:48:43 -0400
Message-Id: <199606171148.HAA17038@hemisphere.neocomm.net>
Comments: Authenticated sender is <cdavidso@hemisphere.neocomm.net>
From: "Charles W. Davidson" <cdavidso@hemisphere.neocomm.net>
Organization: Axton Acme
To: aprssig@tapr.org
Date: Mon, 17 Jun 1996 07:44:35 +0000
Subject: Re: [APRSSIG:2020] DFjr & APRS
Reply-to: cdavidso@hemisphere.neocomm.net
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.01)

Please keep sending comments and actual user results on the DFjr
I am enjoying this topic.

chase

cdavidso@neocomm.net
<http://www.neocomm.net/~cdavidso/>
WB4PAN@WB4Q0J.VA.USA.NOAM

From gerry@cs.tamu.edu Mon Jun 17 07:03:13 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA08745 for <aprssig@tapr.org>; Mon, 17 Jun 1996
07:03:11 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id HAA28477 for <aprssig@tapr.org>; Mon, 17
Jun 1996 07:02:40 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id HAA15317 for aprssig@tapr.org; Mon, 17 Jun 1996 07:01:35 -0500
Message-Id: <199606171201.HAA15317@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2017] Re: HOW ACCURATE is the clock?
To: aprssig@tapr.org
Date: Mon, 17 Jun 1996 07:01:34 -0500 (CDT)
In-Reply-To: <199606161217.IAA18115@bridge.net> from "Steve Dimse" at Jun 16, 96 09:22:43 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Steve Dimse sez:

>
> But if you are talking about ranges or pseudoranges from a satellite,
> that is a theoretical construct, and therefore easy to make a sphere or
> circle...unless you are implying that radio signals propagate through the
> 'ether' at different speeds in different directions. I'm pretty sure
> Einstein et. al. settled that!

Your solution is a reasonable generalization, but, in fact, velocity of propagation does affect the pseudorange calculation. A generalized ionospheric model is incorporate in the GPS receiver, and updated by almanac data if the sky's really skewed. for higher precision work, comparisons of L1 and L2 yield an indication of propagation and a fudge factor to be incorporated in the code-phase solution of pseudorange.

gerry

From w2g3zfj@unix.asb.com Mon Jun 17 07:12:58 1996
Received: from unix.asb.com (root@unix.asb.com [165.254.128.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA09236 for <aprssig@tapr.org>; Mon, 17 Jun 1996 07:12:55 -0500 (CDT)
Received: from asb18 (sls8.asb.com [165.254.128.18]) by unix.asb.com (8.6.12/8.6.9) with SMTP id IAA11929 for <aprssig@tapr.org>; Mon, 17 Jun 1996 08:18:08 -0400
Message-Id: <199606171218.IAA11929@unix.asb.com>
X-Sender: w2g3zfj@unix.asb.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Jun 1996 08:08:10 -0400
To: aprssig@tapr.org
From: w2g3zfj@unix.asb.com (bob)
Subject: Re: [APRSSIG:2030] NMEA Display Board?
X-Mailer: <PC Eudora Version 1.4>

Hi

I built one of the kd6pbh gps/lcd kits and it works great. In fact I ordered 4 more for the rest of my Magnavox's!

He can be contacted by EMail: j@harper.com

73 de bob w2/g3zfvj
w2g3zfvj@unix.asb.com
http://www.asb.com/usr/w2g3zfvj

>I thought I saved the message, but I didn't. Could someone forward me the
>info about the unit that takes NMEA input and outputs to an LCD display? I
>need a couple of those things...

>

>73,

>John AG9V

>jra@febo.com

>

>

>

>

From w2g3zfvj@unix.asb.com Mon Jun 17 07:22:53 1996
Received: from unix.asb.com (root@unix.asb.com [165.254.128.4]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA09629 for <aprssig@tapr.org>; Mon, 17 Jun 1996
07:22:50 -0500 (CDT)
Received: from asb18 (sls8.asb.com [165.254.128.18]) by unix.asb.com
(8.6.12/8.6.9) with SMTP id IAA12106 for <aprssig@tapr.org>; Mon, 17 Jun 1996
08:28:02 -0400
Message-Id: <199606171228.IAA12106@unix.asb.com>
X-Sender: w2g3zfvj@unix.asb.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Jun 1996 08:18:04 -0400
To: aprssig@tapr.org
From: w2g3zfvj@unix.asb.com (bob)
Subject: Re: [APRSSIG:2029] Stamp controller for ICOM available
X-Mailer: <PC Eudora Version 1.4>

Hi Michael

I've been working on a similar project here but have given up on the STAMPS.
They are OK for smaller projects but if you need faster I/O and a fuller
featured BASIC then I can recommend the DOMINO from Micromint (860 871
6170). This uses an 8052-BASIC with 32K static RAM and 32K EEPROM, 12 I/O
lines, RS232/RS422 interface, 2 interrupts and 3 timers and it costs \$79-.
Its a module 1.1"x1.75"x0.4".

One particular project I have is to generate an RMC sentence from separate
GGA and VTG sentences plus adaptive digi'ing for aprs tracker/mobile use.

>

>One APRS user has asked me to see if I can read NMEA data from a gps. Ive
>tried everything and have not been able to .. I hope that if someone has
>done this, they could offer me some advice.

>(though not sure why Id want to be able to quite yet)

>-----
>-

>Michael
>KD4EMI@AOL.COM
>
>
>

73 de bob w2/g3zfq
w2g3zfq@unix.asb.com

From jratchf@bulldog.afsc.k12.ar.us Mon Jun 17 07:26:08 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA09710 for <aprssig@tapr.org>; Mon, 17 Jun 1996
07:26:05 -0500 (CDT)
Received: from Á\$ÿÛ~Σ((slip2.afsc.k12.ar.us [170.211.157.176]) by
bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id HAA16050 for
<aprssig@tapr.org>; Mon, 17 Jun 1996 07:25:59 -0500
Message-Id: <199606171225.HAA16050@bulldog.afsc.k12.ar.us>
Date: Mon, 17 Jun 96 07:25:00 -0700
From: "J. Scott Ratchford" <jratchf@bulldog.afsc.k12.ar.us>
Organization: North Arkansas Amatuer Radio Society
X-Mailer: Mozilla 1.22 (Windows; I; 16bit)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: DFjr/GPS/APRS
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

I am in the testing phase of the DFjr/GPS/APRS Mobile setup.

As a stand alone RDF, you can't beat it. This baby works! I had mine
assembled, stuck to the roof top, and DFing within an hour after I
recieved it. (It took exactly 8 weeks to get here, so have patience)

Putting everything together, the DFjr, GPS, APRS, IS A REAL CHALLENGE!!! I
am running a 486 laptop with a single port. The adapter that Agrelo sent
works just fine. And Bob has setup a special command just for the DFjr.
Just watch out for all the wires! I am working on a way to install this in
a nice, neat package.

There are a few 'bugs' in the system as it stands right now. But these are
being worked on by myself and Agrelo. Bob has been very helpful as well.
These are NOT major bugs! It's the type of thing that can usually be
worked out over the phone, and I'm sure will be included in the
documentation at a later date.

I'm the guinea pig on this one! It's fun though!

Final Thoughts.....1) have patience, the DFjr will arrive, someday.....

2) the DFjr works very well.....by itself, 3) I wasn't kidding about the wires.....4) putting it all together is a challenge and a lot of fun.

KC5JGV

From Paul_Moller@csg.mot.com Mon Jun 17 08:27:16 1996
Received: from motgate2.mot.com (motgate2.mot.com [129.188.136.20]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA12004 for <aprssig@tapr.org>; Mon, 17 Jun 1996 08:27:13 -0500 (CDT)
Received: from pobox.mot.com (pobox.mot.com [129.188.137.100]) by motgate2.mot.com (8.7.3/8.6.10/MOT-3.8) with ESMTP id NAA26500 for <aprssig@tapr.org>; Mon, 17 Jun 1996 13:24:43 GMT
Received: from OAMPC10.csg.mot.com (OAMPC10.csg.mot.com [144.188.134.33]) by pobox.mot.com (8.7.3/8.6.10/MOT-3.8) with SMTP id IAA21234 for <aprssig@tapr.org>; Mon, 17 Jun 1996 08:25:54 -0500 (CDT)
Received: from PaulM_PC.csg.mot.com (PaulM_PC.csg.mot.com [144.188.36.8]) by OAMPC10.csg.mot.com (8.6.8.1/8.6.6) with SMTP id IAA16337 for <aprssig@tapr.org>; Mon, 17 Jun 1996 08:36:11 -0500
Message-Id: <2.2.32.19960617132632.0071383c@144.188.134.33>
X-Sender: mollpj@144.188.134.33
Return-Receipt-To: Paul_Moller@csg.mot.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Jun 1996 08:26:32 -0500
To: aprssig@tapr.org
From: Paul Moller <Paul_Moller@csg.mot.com>
Subject: Re: [APRSSIG:1952] winAPRS/win95, extra serial ports.

As soon as you start talking serial ports above 4, the selection of hardware drops from lots to almost none. However, not zero. I use a serial board made by "4-com" which is available from NECX (look in computer shopper or <http://www.necx.com/>), among others no doubt. It gives you 4 serial ports, all with independent address and IRQ settings, all on 1 card, shipped with nice little adapter cables allowing direct plug in of DB-9 connectors. Win95 will support additional serial ports by setting them up in control panel. Send me personal email if you want detailed help.

At 05:00 PM 6/14/96 -0500, you wrote:

>Hi There

>

>I want to hook up my Ultimeater II to my PC to work under win95. Now I know
>that winAPRS can work with any serial port however I'm not sure where I can
>get an extra serial card to work on com5 etc. I've had a look round the
>local computer shows but no joy. Anyone got any ideas? Is it possible to
>modify a standard serial card to work at another address? Do I need a TSR
>program to run the extra serial cards?

>

Paul, WD9ABE

From wa4dsy@wa4dsy.radio.org Mon Jun 17 08:44:38 1996
Received: from smtp-gw01.ny.us.ibm.net (smtp-gw01.ny.us.ibm.net [165.87.194.252])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA12639 for <aprssig@tapr.org>; Mon,
17 Jun 1996 08:44:33 -0500 (CDT)
Received: (from uucp@localhost) by smtp-gw01.ny.us.ibm.net (8.6.9/8.6.9) id
NAA47369 for <aprssig@tapr.org>; Mon, 17 Jun 1996 13:44:29 GMT
Message-Id: <199606171344.NAA47369@smtp-gw01.ny.us.ibm.net>
Received: from wa4dsy-1.wa4dsy.radio.org(206.28.196.146) by smtp-
gw01.ny.us.ibm.net via smap (V1.3mjr)
id smauQQCrX; Mon Jun 17 13:44:24 1996
Date: Mon, 17 Jun 96 09:44:21 EDT
From: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
Reply-To: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
To: aprssig@tapr.org
X-Mailer: Dale Heatherington's PMMail v1.1
Subject: JAVA APRS

Today's half baked idea from WA4DSY:

Perhaps porting APRS to Java might make more sense
than porting to OS/2. The next version of OS/2, code named
Merlin, will have Java built into the OS.
See <http://www.austin.ibm.com/pspinfinfo/os2.html> for details.

Java programs and applets will run as if they are native OS/2 code.
Once ported to Java, aprs will run on any Java enabled
platform, which should include just about all of them
within a year or so!

Java enabled aprs web servers could be built which
would allow anyone with internet access and a Java
enabled web browser to see aprs data. Said web servers
could also exist on the tcpip/ax25 radio links (at 9600 bps and higher).

Dale Heatherington, WA4DSY
e-mail - wa4dsy@wa4dsy.radio.org
Web page - www.wa4dsy.radio.org
This message brought to you by OS/2 Warp Connect.

From Paul_Moller@csg.mot.com Mon Jun 17 08:53:25 1996
Received: from motgate2.mot.com (motgate2.mot.com [129.188.136.20]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id IAA13101 for <aprssig@tapr.org>; Mon, 17 Jun 1996
08:53:22 -0500 (CDT)
Received: from pobox.mot.com (pobox.mot.com [129.188.137.100]) by motgate2.mot.com
(8.7.3/8.6.10/MOT-3.8) with ESMTP id NAA03224 for <aprssig@tapr.org>; Mon, 17 Jun
1996 13:50:53 GMT

Received: from OAMPC10.csg.mot.com (OAMPC10.csg.mot.com [144.188.134.33]) by pobox.mot.com (8.7.3/8.6.10/MOT-3.8) with SMTP id IAA28217 for <aprssig@tapr.org>; Mon, 17 Jun 1996 08:52:32 -0500 (CDT)
Received: from PaulM_PC.csg.mot.com (PaulM_PC.csg.mot.com [144.188.36.8]) by OAMPC10.csg.mot.com (8.6.8.1/8.6.6) with SMTP id JAA17362 for <aprssig@tapr.org>; Mon, 17 Jun 1996 09:02:55 -0500
Message-Id: <2.2.32.19960617135316.007135f0@144.188.134.33>
X-Sender: mollpj@144.188.134.33
Return-Receipt-To: Paul_Moller@csg.mot.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Jun 1996 08:53:16 -0500
To: aprssig@tapr.org
From: Paul Moller <Paul_Moller@csg.mot.com>
Subject: Re: [APRSSIG:2006] Re: More serial Port help needed!

A word of advise that saved me a lot of trouble Video cards that use the "S-3" chip set (many new ones do) will cause address conflicts with com4. This will NOT show up as a conflict in device manager because device manager looks at the first address of the range only. The S-3 chip set uses a couple of addresses in the middle of the com4 range. In summary, if you have an S-3 chip set, com 4 is out of the question.

I found out my motherboard took
>control of which interrupt the video card had. Then it and Win95 proceeded to
>dole out the other interrupts etc. When I got to setting the 4th port for my
>KPC-3 to use I was having lots of fits. I had to investigate what devices
>where using what interrupts and compare that to what was available and that I
>could move about. USE CAUTION HERE!!!!
Paul, WD9ABE

From wnolle@ix.netcom.com Mon Jun 17 08:54:06 1996
Received: from dfw-ix3.ix.netcom.com (dfw-ix3.ix.netcom.com [206.214.98.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA13127 for <aprssig@tapr.org>; Mon, 17 Jun 1996 08:54:03 -0500 (CDT)
Received: from LOCALNAME (hun-a11-29.ix.netcom.com [205.184.6.61]) by dfw-ix3.ix.netcom.com (8.6.13/8.6.12) with SMTP id GAA08877 for <aprssig@tapr.org>; Mon, 17 Jun 1996 06:53:45 -0700
Message-ID: <31C57F75.10B5@ix.netcom.com>
Date: Mon, 17 Jun 1996 08:53:25 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2055] DFjr/GPS/APRS
References: <199606171225.HAA16050@bulldog.afsc.k12.ar.us>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

J. Scott Ratchford wrote:

>

> I am in the testing phase of the DFjr/GPS/APRS Mobile setup.

>
> As a stand alone RDF, you can't beat it. This baby works! I had mine
> assembled, stuck to the roof top, and DFing within an hour after I
> recieved it. (It took exactly 8 weeks to get here, so have patience)
>
> Putting everything together, the DFjr, GPS, APRS, IS A REAL CHALLENGE!!! I
> am running a 486 laptop with a single port. The adapter that Agrelo sent
> works just fine. And Bob has setup a special command just for the DFjr.
> Just watch out for all the wires! I am working on a way to install this in
> a nice, neat package.
>
> There are a few 'bugs' in the system as it stands right now. But these are
> being worked on by myself and Agrelo. Bob has been very helpful as well.
> These are NOT major bugs! It's the type of thing that can usually be
> worked out over the phone, and I'm sure will be included in the
> documentation at a later date.
>
> I'm the guinea pig on this one! It's fun though!
>
> Final Thoughts.....1) have patience, the DFjr will arrive, someday.....
> 2) the DFjr works very well.....by itself, 3) I wasn't kidding about the
> wires.....4) putting it all together is a challenge and a lot of fun.
>
> KC5JGV8 weeks wow, well won't have one then because i'm not letting Agrelo use
my money for 8 weeks, They make to many promises and not keeping them...

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From steve.hall@lerc.nasa.gov Mon Jun 17 09:05:27 1996
Received: from linux.chuh.cleveland-heights.k12.oh.us (root@[205.133.64.42]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA13508 for <aprssig@tapr.org>; Mon, 17
Jun 1996 09:05:22 -0500 (CDT)
Received: from kk4pm.nasa.gov (kk4pm.lerc.nasa.gov [139.88.44.41]) by
linux.chuh.cleveland-heights.k12.oh.us (8.6.12/8.6.9) with SMTP id KAA03991 for
<aprssig@tapr.org>; Mon, 17 Jun 1996 10:20:08 -0400
Date: Mon, 17 Jun 1996 10:20:08 -0400
Message-Id: <2.2.16.19960617101028.26f7410c@popd.ix.netcom.com>
X-Sender: kk4pm@popd.ix.netcom.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Steve Hall <steve.hall@lerc.nasa.gov>
Subject: Re: [APRSSIG:2020] DFjr & APRS

At 10:02 AM 6/16/96 -0500, you wrote:
>Is anyone using the DFjr with APRS and GPS yet. I would think by now some
>of the beta testers would have something (Good or Bad) to say about the
>system, specially after the antenna problem. I am still waiting for mine

>after nearly 5 weeks now. I asked if they where really truly shipping any,
>but never got an answer to that part of my question. Sure would like to
>hear some feedback from those that actually used the DFjr rather then

I have had really great results with my DFjr. To evaluate the unit I wired the DFjr and a GPS to a laptop. I then stored the coordinates of a couple of repeaters as waypoints in my Garmin 45. To evaluate the performance I wrote a short program that parses the NEMA messages to get the cars heading as well as the GPS bearing to waypoint. I then use this data to correct the DFjrs "relative" bearing (to car) to an actual bearing. I then compare this to the actual and display the results on the screen and save to a file for later analysis. I use a SPDT switch to toggle between NEMA and DF and throw the switch when I have a clear tone from the doppler.

This method is also the BEST way to calibrate the DFjr since you can do this while moving (doppler's work best when in motion).

The results were very good with errors ranging in the +- 5 degrees typical in the clear. There were some wild readings when in areas of high reflection (this is unavoidable with a doppler cause it will lock on the strongest signal which may be a reflection) but when used in motion the unit performed well. I just won a local fox hunt last Sunday (only two teams but doppler worked VERY well).

I will try to gather some numbers from my setup and post them here (maybe next weekend) Overall I am VERY pleased with Agrelo - I had one of the first units that had problems with grounding. Agrelo was quick to determine the problem and promptly shipped the fix (are you listening Bill Gates :))

As far as using the DFjr with APRS - The Dayton release of DOS APRS did not support the DFjr with the GPS interface. The latest release also seems to have problems if you want DF and GPS data coming in on the same port. I tried configuring APRS to use port 1 for both DFjr and GPS and NO TNC but it wouldn't work unless I had a TNC selected and used SPM which resulted in "buffer overflow errors"

My only portable computer is an HP200 palmtop BUT my foxhunting partner just bought a P90 laptop :) :) so maybe I can give you an update on using the DFjr with WinAPRS soon.

73

Steve Hall - KK4PM

From dbbrumm@mtu.edu Mon Jun 17 09:20:33 1996
Received: from opus.mtu.edu (root@opus.mtu.edu [141.219.70.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA14166 for <aprssig@tapr.org>; Mon, 17 Jun 1996 09:20:27 -0500 (CDT)
Received: from mtu.edu (mtu.edu [141.219.70.1])
by opus.mtu.edu (8.6.13/8.6.12) with ESMTP id KAA25124
for <aprssig@tapr.org>; Mon, 17 Jun 1996 10:20:22 -0400

Received: from pobox.ee.mtu.edu (pobox.ee.mtu.edu [141.219.23.145])
by mtu.edu (8.6.13/8.6.12) with ESMTP id KAA07573
for <aprssig@tapr.org>; Mon, 17 Jun 1996 10:20:22 -0400
Received: from eefac-pc5 (eefac-pc5.ee.mtu.edu [141.219.23.55]) by
pobox.ee.mtu.edu (8.6.10/MTU-R1.4) with SMTP id KAA12942 for <aprssig@tapr.org>;
Mon, 17 Jun 1996 10:20:15 -0400
Message-Id: <199606171420.KAA12942@pobox.ee.mtu.edu>
X-Authentication-Warning: pobox.ee.mtu.edu: Host eefac-pc5.ee.mtu.edu claimed to
be eefac-pc5
X-Sender: dbbrumm@eefacpcsrv.ee.mtu.edu
X-Mailer: Windows Eudora Version 2.0.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Jun 1996 10:20:26 -0400
To: aprssig@tapr.org
From: dbbrumm@mtu.edu (Doug Brumm)
Subject: Re: HOW ACCURATE is the clock?

>On June 15, 1996 Steve Dimse wrote:

>

>But if you are talking about ranges or pseudoranges from a satellite,
>that is a theoretical construct, and therefore easy to make a sphere or
>circle...

>

>then Al Chan wrote:

>

>That is correct. Since the speed of light is absolute; and thus light waves
>travel at the same speed in all directions, therefore the propagation of the
>light waves from a point source is spherical.

>

Oops! While it is true that the speed of light IN FREE SPACE is a constant,
light travels more slowly in any other medium and the velocity varies for
different materials. It also becomes frequency-dependent when the medium is
not free space (such as the earth's atmosphere). So the wave fronts produced
by a point source can easily be nonspherical. It is sufficient simply to
have two or more different materials within the volume being considered.

Then there are birefringent materials in which the velocity of light varies
with the direction of propagation (they are not isotropic). This produces
nonspherical waves from a point source even when the entire space under
consideration is homogeneous.

In the case of GPS signals, the atmosphere is a constantly-changing material
with a varying speed for EM waves. The wave fronts will never be truly
spherical.

Doug Brumm N800N Calumet, MI dbbrumm@mtu.edu

From steve.hall@lerc.nasa.gov Mon Jun 17 09:32:33 1996

Received: from linux.chuh.cleveland-heights.k12.oh.us (root@linux.chuh.cleveland-
heights.k12.oh.us [205.133.64.42]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id

JAA14337 for <aprssig@tapr.org>; Mon, 17 Jun 1996 09:32:29 -0500 (CDT)
 Received: from kk4pm.nasa.gov (kk4pm.lerc.nasa.gov [139.88.44.41]) by
 linux.chuh.cleveland-heights.k12.oh.us (8.6.12/8.6.9) with SMTP id KAA04006 for
 <aprssig@tapr.org>; Mon, 17 Jun 1996 10:47:20 -0400
 Date: Mon, 17 Jun 1996 10:47:20 -0400
 Message-Id: <2.2.16.19960617103740.242f54e0@popd.ix.netcom.com>
 X-Sender: kk4pm@popd.ix.netcom.com
 X-Mailer: Windows Eudora Pro Version 2.2 (16)
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"
 To: aprssig@tapr.org
 From: Steve Hall <steve.hall@lerc.nasa.gov>
 Subject: Re: [APRSSIG:2037] Re: DFjr & APRS

At 06:36 PM 6/16/96 -0500, you wrote:

>On Sun, 16 Jun 1996, William Nolle wrote:

>

>> that's not a problem, Just like to hear some real DF stories!, specially
 >> the ones using APRS and GPS with it..

>

>APRSDos REPLY COMMENT: Me too. No one has everything all hooked up and
 >running out in the car. I expect the APRS user interface will need to be
 >tweked once people start using it... We are standing by to help.

>

>de wb4apr@amsat.org

>

>

>

Bob:

How do I configure APRS to look for GPS and DF data on the same serial port???

For now I will NOT have a TNC hooked up. Here is my setup.

```

-----
|  GPS  | -----
-----
                        | NC
                        --- MOMENTARY SPDT
                        --o----- | Laptop |
                        ---
                        | NO
|  DFjr  | -----
-----

```

I prefer this over using the GPS input to the DFjr since it allows me to determine when to take a bearing. Also I feel the cars current heading needs to be reported at a higher rate than the DF info (especially on curvey roads).

I tried several different settings in APRS but could ONLY get this to work if I selected a TNC on PORT 1 and then selected PORT 1 for DFjr - But with

the above setup the continuous GPS data was overflowing the buffers.

Any help would be appreciated!

Thanks and 73,

Steve Hall - KK4PM

From schiers@ames.net Mon Jun 17 09:45:46 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA14872 for <aprssig@tapr.org>; Mon, 17 Jun 1996
09:45:43 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606171445.JAA14872@tapr.org>
Received: from [206.29.126.237] by ames.net id 4d930.wrk; Mon, 17 Jun 1996
09:44:40 -0600
Date: Mon, 17 Jun 96 09:43:34 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2056] Re: winAPRS/win95, extra serial port
In-Reply-To: <712598@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

In <712598@bbs.ames.net>, on 06/17/96 at 08:34 AM,
aprssig@tapr.org said:

>I use a serial board made
>by "4-com" which is available from NECX (look in computer shopper or
><http://www.necx.com/>

I use a couple of these cards under OS/2 and they work beautifully. I want
to add them to my WinAPRS machine (Win95), but have been hesitating for
obvious reasons.

I am using IRQ 2/9 for my bus mouse and com1/2 for WinAPRS. What would you
use for the 4 additional IRQ settings on this board? I can figure out
addresses, but am not familiar with how finicky Win95 is going to be with
interrupts. With OS/2 it is a piece of cake, but I am not nearly so
confident of what I have seen so far with Win95.

73,

hasan schiers, NOAN--

schiers@ames.net

From jagrelo@cris.com Mon Jun 17 10:03:05 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id KAA15564 for <aprssig@tapr.org>; Mon, 17 Jun 1996
10:02:16 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/11 2.45))

id LAA09903; Mon, 17 Jun 1996 11:02:08 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059038.concentric.net [206.83.77.38])
by darius.cris.com (8.7.3)
id LAA29252; Mon, 17 Jun 1996 11:01:22 -0400 (EDT)
Message-ID: <31C59E8F.52D0@concentric.net>
Date: Mon, 17 Jun 1996 11:06:07 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2020] DFjr & APRS
References: <31C43B15.38D8@ix.netcom.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

William Nolle wrote:

>
> Is anyone using the DFjr with APRS and GPS yet. I would think by now some
> of the beta testers would have something (Good or Bad) to say about the
> system, specially after the antenna problem. I am still waiting for mine
> after nearly 5 weeks now. I asked if they where really truly shipping any,
> but never got an answer to that part of my question. Sure would like to
> hear some feedback from those that actually used the DFjr rather then
> just looking at the Agrelo web site picture Hi. Does it even work?. Guys
> i'm not trying to start something here, but when shelling out that much
> money for something i haven't heard anybody give any feedback on makes me
> rather jittery. Now i know Agrelo will stand behind their equipment
> that's not a problem, Just like to hear some real DF stories!, specially
> the ones using APRS and GPS with it..
> --
> Bill KE4EER
> wnolle@ix.netcom.com
> ke4eer@amsat.org
> <http://www.netcom.com/~wnolle>
> Subscribe or Unsubscribe to the APRS SIG from my web page.

Hi Bill,

Sorry that your question wasn't answered accordingly, we weren't ignoring you,
we simply must have missed it.

The DFjr's are shipping as scheduled, 6 weeks delivery from order date. Your's
is shipping on 6/21/96. We have had many good reports on the DFjr's performance,
unfortunatly, no one post these to the SIG, only to me personally. I have asked
on several occasions for people to post their experiences with the DFjr with no
response, with the exception of the bad reports of coarse, hi.

Anyone that has a question, should either e-mail or call Eric or myself and we
will
be more than happy to answer your questions.

I just purchased a fully automatic SMD assembly line including a solder screen printer, pick-n-place machine, and 8 zone reflow oven, to help keep up with our orders. Our intension is to have DFjr's available off the shelf for same day shipping in about a month.

I sincerely hope this helps answer some of your questions.

73 De Joe N200C

XX

Agrelo Engineering

Joe Agrelo/President

(518)381-1057

(518)381-1058

E-Mail: Jagrelo@concentric.net

WEB: <http://home.navisoft.com/agrelo/ae.htm>

Designer & Manufacturer of intelligent microprocessor based Doppler and talking products

Experts in Microchip & Motorola processors

XX

From jagrelo@cris.com Mon Jun 17 10:32:00 1996

Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA16963 for <aprssig@tapr.org>; Mon, 17 Jun 1996 10:31:41 -0500 (CDT)

Received: from darius.cris.com (darius [199.3.12.32]) by franklin.cris.com (8.7.5/(96/06/11 2.45)) id LAA25208; Mon, 17 Jun 1996 11:31:34 -0400 (EDT) [1-800-745-2747 The Concentric Network]

Errors-To: jagrelo@cris.com

Received: from crc3.pop3.net (cnc059038.concentric.net [206.83.77.38]) by darius.cris.com (8.7.3)

id LAA06025; Mon, 17 Jun 1996 11:30:47 -0400 (EDT)

Message-ID: <31C5A574.33EC@concentric.net>

Date: Mon, 17 Jun 1996 11:35:32 -0700

From: Joseph Agrelo <jagrelo@cris.com>

Organization: Agrelo Engineering

X-Mailer: Mozilla 2.01 (Win95; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2059] Re: DFjr/GPS/APRS

References: <31C57F75.10B5@ix.netcom.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

William Nolle wrote:

>

> J. Scott Ratchford wrote:

> >

> > I am in the testing phase of the DFjr/GPS/APRS Mobile setup.

> >

> > As a stand alone RDF, you can't beat it. This baby works! I had mine
> > assembled, stuck to the roof top, and DFing within an hour after I
> > recieved it. (It took exactly 8 weeks to get here, so have patience)
> >
> > Putting everything together, the DFjr, GPS, APRS, IS A REAL CHALLENGE!!! I
> > am running a 486 laptop with a single port. The adapter that Agrelo sent
> > works just fine. And Bob has setup a special command just for the DFjr.
> > Just watch out for all the wires! I am working on a way to install this in
> > a nice, neat package.
> >
> > There are a few 'bugs' in the system as it stands right now. But these are
> > being worked on by myself and Agrelo. Bob has been very helpful as well.
> > These are NOT major bugs! It's the type of thing that can usually be
> > worked out over the phone, and I'm sure will be included in the
> > documentation at a later date.
> >
> > I'm the guinea pig on this one! It's fun though!
> >
> > Final Thoughts.....1) have patience, the DFjr will arrive, someday.....
> > 2) the DFjr works very well.....by itself, 3) I wasn't kidding about the
> > wires.....4) putting it all together is a challenge and a lot of fun.
> >
> > KC5JGV8 weeks wow, well won't have one then because i'm not letting Agrelo use
> my money for 8 weeks, They make to many promises and not keeping them...
> --
> Bill KE4EER
> wno1le@ix.netcom.com
> ke4eer@amsat.org
> <http://www.netcom.com/~wno1le>
> Subscribe or Unsubscribe to the APRS SIG from my web page.

I just posted a message to Bill KE4EER/APRSSIG regaring the shipment
of his DFjr, we are on schedule and his unit will be shipped on
6/21/96. Our deliver time is approx. 6 weeks from order date as stated
during the placement of the order.

Here is a clip of my original message.

CLIP-----

Hi Bill,

Sorry that your question wasn't answered accordingly, we weren't ignoring you,
we simply must have missed it.

The DFjr's are shipping as scheduled, 6 weeks delivery from order date. Your's
is shipping on 6/21/96. We have had many good reports on the DFjr's performance,
unfortunatly, no one post these to the SIG, only to me personally. I have asked
on several occasions for people to post their experiences with the DFjr with no
response, with the exception of the bad reports of coarse, hi.

Anyone that has a question, should either e-mail or call Eric or myself and we
will

be more than happy to answer your questions.

I just purchased a fully automatic SMD assembly line including a solder screen printer, pick-n-place machine, and 8 zone reflow oven, to help keep up with our orders. Our intension is to have DFjr's available off the shelf for same day shipping in about a month.

I sincerely hope this helps answer some of your questions.

END CLIP-----

73 De Joe N200C

XX

Agrelo Engineering
Joe Agrelo/President
(518)381-1057
(518)381-1058

E-Mail: Jagrelo@concentric.net

WEB: <http://home.navisoft.com/agrelo/ae.htm>

Designer & Manufacturer of intelligent microprocessor
based Doppler and talking products

Experts in Microchip & Motorola processors

XX

From zoom@willow.sps.mot.com Mon Jun 17 10:32:13 1996

Received: from spsgate.sps.mot.com (spsgate.sps.mot.com [192.70.231.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA17029 for <aprssig@tapr.org>; Mon, 17 Jun 1996 10:32:11 -0500 (CDT)

Received: from mogate (mogate.sps.mot.com) by spsgate.sps.mot.com (4.1/SMI-4.1/Email 2.1 10/25/93)

id AA05014 for aprssig@tapr.org; Mon, 17 Jun 96 08:32:05 MST

Received: from azbc.sps.mot.com ([222.90.5.2]) by mogate (4.1/SMI-4.1/Email-2.0)

id AA18203 for aprssig@tapr.org; Mon, 17 Jun 96 08:32:04 MST

Received: from willow.sps.mot.com by azbc.sps.mot.com with SMTP (1.37.109.4/16.2) id AA04719; Mon, 17 Jun 96 10:35:44 -0500

Received: by willow.sps.mot.com (4.1/SMI-4.1)

id AA03685; Mon, 17 Jun 96 08:30:37 MDT

Date: Mon, 17 Jun 1996 08:30:36 -0600 (MDT)

From: Chris Terwilliger <zoom@willow.sps.mot.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:1956] Re: winAPRS/win95, extra serial ports.

In-Reply-To: <199606142312.SAA06775@tapr.org>

Message-Id: <Pine.SUN.3.91.960617082742.3681A-100000@willow>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jun 1996, Jon T Adams wrote:

> p.s. Now if someone could just come up with a box that had a Tbase10
> jack on one side and a pile of com ports on the other, and software
> that would allow the use of theose com ports as virtual com ports for

> a networked computer, and that it could run on NT, then I'd be set!

This is called a terminal server. I have an older 3com CS210 (ethernet to 16 port RS232) that I plan on using with my Sun workstation as soon as the Sproul brothers release XAprs...If you scrounge around some of the older terminal servers like this one can be found.

Chris, AA7WD

From wnolle@ix.netcom.com Mon Jun 17 10:50:19 1996
Received: from dfw-ix9.ix.netcom.com (dfw-ix9.ix.netcom.com [206.214.98.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA18127 for <aprssig@tapr.org>; Mon, 17 Jun 1996 10:50:16 -0500 (CDT)
Received: from LOCALNAME (hun-a11-29.ix.netcom.com [205.184.6.61]) by dfw-ix9.ix.netcom.com (8.6.13/8.6.12) with SMTP id IAA14815 for <aprssig@tapr.org>; Mon, 17 Jun 1996 08:49:34 -0700
Message-ID: <31C59A89.2C5C@ix.netcom.com>
Date: Mon, 17 Jun 1996 10:48:57 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2060] Re: DFjr & APRS
References: <2.2.16.19960617101028.26f7410c@popd.ix.netcom.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Hall wrote:

>
> At 10:02 AM 6/16/96 -0500, you wrote:
> >Is anyone using the DFjr with APRS and GPS yet. I would think by now some
> >of the beta testers would have something (Good or Bad) to say about the
> >system, specially after the antenna problem. I am still waiting for mine
> >after nearly 5 weeks now. I asked if they where really truly shipping any,
> >but never got an answer to that part of my question. Sure would like to
> >hear some feedback from those that actually used the DFjr rather then
>
> I have had really great results with my DFjr. To evaluate the unit I wired
> the DFjr and a GPS to a laptop. I then stored the coordinates of a couple
> of repeaters as waypoints in my Garmin 45. To evaluate the performance I
> wrote a short program that parses the NEMA messages to get the cars heading
> as well as the GPS bearing to waypoint. I then use this data to correct the
> DFjrs "relative" bearing (to car) to an actual bearing. I then compare this
> to the actual and display the results on the screen and save to a file for
> later analysis. I use a SPDT switch to toggle between NEMA and DF and throw
> the switch when I have a clear tone from the doppler.
>
> This method is also the BEST way to calibrate the DFjr since you can do this
> while moving (doppler's work best when in motion).
>
> The results were very good with errors ranging in the +- 5 degrees typical
> in the clear. There were some wild readings when in areas of high reflection
> (this is unavoidable with a doppler cause it will lock on the strongest

> signal which may be a reflection) but when used in motion the unit performed
> well. I just won a local fox hunt last Sunday (only two teams but doppler
> worked VERY well).

>

> I will try to gather some numbers from my setup and post them here (maybe
> next weekend) Overall I am VERY pleased with Agrelo - I had one of the
> first units that had problems with grounding. Agrelo was quick to determine
> the problem and promptly shipped the fix (are you listening Bill Gates :))

>

> As far as using the DFjr with APRS - The Dayton release of DOS APRS did not
> support the DFjr with the GPS interface. The latest release also seems to
> have problems if you want DF and GPS data coming in on the same port. I
> tried configuring APRS to use port 1 for both DFjr and GPS and NO TNC but it
> wouldn't work unless I had a TNC selected and used SPM which resulted in
> "buffer overflow errors"

>

> My only portable computer is an HP200 palmtop BUT my foxhunting partner just
> bought a P90 laptop :) :) so maybe I can give you an update on using the
> DFjr with WinAPRS soon.

>

> 73

>

> Steve Hall - KK4PM

> Great Steve and thanks for the information, and i hope you will keep us
informed as to the progress of your tests. I wonder what version of APRS you
were talking about since Bob did do some fixing in 76d. Mine is suppose to be
shipped the 21st of this month so hopefully i will also post some feedback to
the sig since it will be a big part of APRS. Thanks again Steve. I used this
bandwidth by posting the whole message and the reply because i'm sure many
users are intersted in this.

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From seront@seism1.ess.sunysb.edu Mon Jun 17 10:53:36 1996

Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id KAA18200 for <aprssig@tapr.org>; Mon, 17 Jun 1996
10:53:29 -0500 (CDT)

Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-6 #8051)
id <01I60IZS0RC09YD2YW@ccmail.sunysb.edu> for aprssig@tapr.org; Mon,
17 Jun 1996 11:53:14 -0400 (EDT)

Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1)
id AA10857; Mon, 17 Jun 1996 11:52:33 -0400 (EDT)

Date: Sun, 16 Jun 1996 23:52:54 -0400

From: Bernard Seront <seront@seism1.ess.sunysb.edu>

Subject: MAR-6 purchase.

X-Sender: seront@seism1.ess.sunysb.edu

To: aprssig@tapr.org

Message-id: <2.2.32.19960617035254.006fe614@seism1.ess.sunysb.edu>

MIME-version: 1.0

X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

I got a few people interested in the MAR-6 (if you missed it look at message 1946 and the following thread).

We need a couple more to reach the 50 units, so I can order. If you are interested, please answer before tomorrow (Tuesday) night, and i'll work on that Wednesday.

Regarding the noise figure parameter, I overlooked the importance of it. I don't know either what the noise figure of a typical handheld GPS is, but a 3dB noise figure for the preamp looks just right for me. If someone has exact numbers about the rcvr noise figure for handhelds, or what amp ship is used in commercial active antennas, let us know.

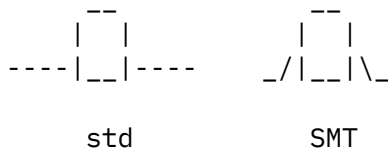
Don't forget that the purpose of this pre-amp is to get better results with an external antenna (typically the QST patch) and the usual handheld (or GPS20) we are using in a car. If this can be done with a 2\$ MMIC and a couple of extra parts, that would be great.

What I know is that a couple of people claimed good results with the MAR-1 amp (limited to 1GHz!, NF is 5.5 dB) and the MAR-3 (2 GHz and 6dB NF, but 5V power supply, I don't know how to get that from a handheld with the required bias resistor), and that the MAR-6 is definitively better than that.

Problem here seems to be the 5 V power supply, there is not that much low noise amps that can work with 5V or less. Actually, I don't know of any other one.

If you can supply 15V @ 70 mA, then there are alternatives from Mini-Circuit with 1.5 dB NF, but I bet it's not going to be the same price.

One detail about the MAR-6: standard case and SMT are actually the same size and shape: cylindrical 0.008" diameter with four leads going out of the side at right angle. Difference is that the std has .256" straight leads, SMT has bent and somehow shorter leads. SMT may be easier to work with (easier to solder on a stripline).



As I said, I don't know how well the MAR-6 is going to work for GPS, but how can we really decide without trying?

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From seront@seism1.ess.sunysb.edu Mon Jun 17 11:02:22 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA18364 for <aprssig@tapr.org>; Mon, 17 Jun 1996 11:02:19 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-6 #8051) id <01I60JAXL3KW9YGQBT@ccmail.sunysb.edu> for aprssig@tapr.org; Mon, 17 Jun 1996 12:02:14 -0400 (EDT)
Received: from corto.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA10873; Mon, 17 Jun 1996 12:01:33 -0400 (EDT)
Date: Mon, 17 Jun 1996 00:01:53 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:2044] Need help
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960617040153.007446a4@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 10:05 PM 6/16/96 -0500, you wrote:

>Tonight there is a lovely display of heat lightning.
>
>My Lightning monitor is going crazy, indicating strikes every 3 seconds..
>
>The good news is that the amplitude of the pulse it is sending is much
>smaller than the big BOLTS that we get here.
>AND
>I was able to detect the incoming storm about 200 miles before it hit.
>So at least the theory is feasible, that is, detect the storm before it hits.
>
>

Do you have any idea how the box determines the distance? Is it only based on the amplitude of the pulse? Any idea of the frequencies detected, or is there any bandpass filter?

>I would very much like to be able to direct connect this into a computer or
>tnc. Using the basic stamp is neat, but adds alot to the cost.
>

As for the stamp: yes it's kinda expensive, especially for "production". One answer is to use a PIC 16c84 instead. It has 1 K word of program memory in EEPROM. A minimal programmer can be built for less than 10\$, a serious programmer in kit is ~40\$. All the software tools: compilers, programmers app and the docs are free on the web (besides that's the same for the stamps, everything is available free on the web). A pic16c84 10 MHz is 10\$. There is a third party basic compiler available for 99.\$
Last news is that parallax itself just came out with a compiler, that let you burn your Pbasic program directly in a 16C58. You do need their 109\$ programmer for that, as I understand.

>Can any of you programmers come up with a way to count pulses on a rs232
>port..? Can a computer tell the diff in amplitude or will I need a box to
>convert this..? Also, code needed to quantify the pulses to indicate that
>they are getting closer..
>

You can detect CTS, usually used by the computer to know if the terminal is
ready. That can be done with parallel port too: there are a couple of input
lines so the printer can indicate it's busy. No way to determine the
amplitude though.

Bernard, KB2TGH

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From jagrelo@cris.com Mon Jun 17 11:03:50 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id LAA18711 for <aprssig@tapr.org>; Mon, 17 Jun 1996
11:03:41 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/11 2.45))
id MAA11572; Mon, 17 Jun 1996 12:00:24 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059038.concentric.net [206.83.77.38])
by darius.cris.com (8.7.3)
id LAA14357; Mon, 17 Jun 1996 11:59:38 -0400 (EDT)
Message-ID: <31C5AC37.5B95@concentric.net>
Date: Mon, 17 Jun 1996 12:04:23 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2062] Re: DFjr & APRS
References: <2.2.16.19960617103740.242f54e0@popd.ix.netcom.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Hall wrote:

>
> At 06:36 PM 6/16/96 -0500, you wrote:
> >On Sun, 16 Jun 1996, William Nolle wrote:
> >
> >> that's not a problem, Just like to hear some real DF stories!, specially
> >> the ones using APRS and GPS with it..
> >
> >APRSDOS REPLY COMMENT: Me too. No one has everything all hooked up and
> >running out in the car. I expect the APRS user interface will need to be
> >tweked once people start using it... We are standing by to help.
> >

```

> >de wb4apr@amsat.org
> >
> >
> >
>
> Bob:
>
> How do I configure APRS to look for GPS and DF data on the same serial port???
>
> For now I will NOT have a TNC hooked up. Here is my setup.
>
>
>   -----
>   |  GPS  |  -----
>   -----
>                               | NC
>                               ---  MOMENTARY SPDT
>                               --o-----
>                               | Laptop |
>                               -----
>                               | NO
>   |  DFjr  |  -----
>   -----
>
> I prefer this over using the GPS input to the DFjr since it allows me to
> determine when to take a bearing. Also I feel the cars current heading
> needs to be reported at a higher rate than the DF info (especially on curvey
> roads).

```

Steve,

If you use the Multi-Port Adapter (MPA) you can set everything as follows, and use the force DF bearing update feature, this overrides all port settings-

- 1)Turn DF port off.
- 2)Turn GPS port on.
- 3)Set desired POSIT rate for GPS.
- 4)When you like the bearing, press MENU then ENTER.

When step 4 is executed, the DFjr will send a GPS POSIT then the bearing and quality factor i.e.

```

$GPRMC,194616,A,4306.37,N,07448.67,W,000.0,360.0,010396,013.9,W*73
%279/8

```

```

> I tried several different settings in APRS but could ONLY get this to work
> if I selected a TNC on PORT 1 and then selected PORT 1 for DFjr - But with
> the above setup the continuos GPS data was overflowing the buffers.
>
> Any help would be appreciated!
>
> Thanks and 73,
>
> Steve Hall - KK4PM

```

Hope this helps.

73 De Joe N200C

XX

Agrelo Engineering
Joe Agrelo/President
(518)381-1057
(518)381-1058

E-Mail: Jagrelo@concentric.net

WEB: <http://home.navisoft.com/agrelo/ae.htm>

Designer & Manufacturer of intelligent microprocessor
based Doppler and talking products

Experts in Microchip & Motorola processors

XX

From kjm@flo-bin.com Mon Jun 17 11:18:50 1996

Received: from mail1.deltanet.com (mail.deltanet.com [199.171.190.55]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id LAA19612 for <aprssig@tapr.org>; Mon, 17 Jun 1996
11:18:45 -0500 (CDT)

Received: from kjm-tjm (delta1.deltanet.com [199.171.190.3]) by mail1.deltanet.com
(8.7.4/8.7.3) with SMTP id JAA15704 for <aprssig@tapr.org>; Mon, 17 Jun 1996
09:15:39 -0700 (PDT)

Message-ID: <31C58525.6936@flo-bin.com>

Date: Mon, 17 Jun 1996 09:17:41 -0700

From: Ken Mirabella <kjm@flo-bin.com>

Reply-To: kjm@flo-bin.com

X-Mailer: Mozilla 3.0b4 (Win95; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2058] Re: More serial Port help needed!

References: <2.2.32.19960617135316.007135f0@144.188.134.33>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The ATI Mach 64 readme file memtions this. But it was on the driver
disk along with a lot of other stuff I didn't think was important.
After about a gazillion hours I read the documentation. Ergo no com4.

What I wound up with was com 1 - all my radio stuff on a switcher, com2
- the mouse, com3 - fax/modem. It is not easy getting your mouse on
com2 either in win95. You have to disconnect everything else and let
win95 look for it on com2. then you can insert your fax card and hook
up your other stuff.

Hope you had better luck.

KM6YH

Paul Moller wrote:

>

> A word of advise that saved me a lot of trouble Video cards that use
> the "S-3" chip set (many new ones do) will cause address conflicts with
> com4. This will NOT show up as a conflict in device manager because device
> manager looks at the first address of the range only. The S-3 chip set uses

> a couple of addresses in the middle of the com4 range. In summary, if you
> have an S-3 chip set, com 4 is out of the question.
>
> I found out my motherboard took
> >control of which interrupt the video card had. Then it and Win95 proceeded to
> >dole out the other interrupts etc. When I got to setting the 4th port for my
> >KPC-3 to use I was having lots of fits. I had to investigate what devices
> >where using what interrupts and compare that to what was available and that I
> >could move about. USE CAUTION HERE!!!!
> Paul, WD9ABE

From barrettd@crpl.cedar-rapids.lib.ia.us Mon Jun 17 11:35:07 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA20374 for
<aprssig@tapr.org>; Mon, 17 Jun 1996 11:35:02 -0500 (CDT)
Received: from ppp-102.crpl.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US
with SMTP;
Mon, 17 Jun 1996 11:33:10 -0500 (CDT)
Received: by ppp-102.crpl.cedar-rapids.lib.ia.us with Microsoft Mail
id <01BB5C41.0E32F1F0@ppp-102.crpl.cedar-rapids.lib.ia.us>; Mon, 17 Jun 1996
11:35:16 -0500
Message-ID: <01BB5C41.0E32F1F0@ppp-102.crpl.cedar-rapids.lib.ia.us>
From: "David E. Barrett" <barrettd@crpl.cedar-rapids.lib.ia.us>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:2012] USGS FILES
Date: Mon, 17 Jun 1996 10:58:45 -0500
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----=_NextPart_000_01BB5C41.0E347890"

-----=_NextPart_000_01BB5C41.0E347890
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

From: William Nolle
Sent: Sunday, June 16, 1996 8:38 AM
To: aprssig@tapr.org
Subject: [APRSSIG:2012] USGS FILES

Question, are the 100k opt data files on USGS still usable since they
changed format a while back?. If so they need to be unblocked, they
recommend CHOP.ZIP but i haven't been able to make that work for some
reason (Probably giving it the wrong command). I know UNBLOCK.BAS is
listed on tapr but tapr seems to be down and i haven't been able to
access it for a while again.

--
Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

Bill,

I never was able to get chop.zip to work. With APRS are some basic programs that will unblock the datasets like chop was supposed to

----- =_NextPart_000_01BB5C41.0E347890

Content-Type: application/ms-tnef

Content-Transfer-Encoding: base64

```
eJ8+IhAQaQaQCAAEAAAAAAAAABAAEAAQeQBGAIAAAA5AQAAAAAADoAAEIgAcAGAAAAE1QTS5NaWNy
b3NvZnQgTWfPbC50b3RlADEIAQ2ABAACAAAAAGACAAEEkAYADAEAAAAEAAAAAAMAAIAAAAAAL
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VEFQUK9SR1NVQkpFQ1Q6QVBSU1NJRzoyMDEyVFNHU0ZJAAAAAIBCRABAAAAcwMAAG8DAAAYBgAA
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CosgbGkxODAC0WkteDE0NA3wDNAeYwtZMbY2CqADYHQFkAVALSCHrwwqHHzsMMcAGRgNh0iGOMyAG
DIIGvWmQHcBhbFMHsAbwbGUhLyI9BmACMAMjbyR7U3VuZGF5yCwgSipAZSAf0CqQADE50TYg0Doz
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42WDXpBwcG8R8EFyYUwFFsEAbnAAAQAQAAAAAADABEQAAAAAAEABzAA1JWUZVy7AUAAACDAA1JWU
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```

----- =_NextPart_000_01BB5C41.0E347890--

From Al@w6dnt.ampr.org Mon Jun 17 12:06:19 1996

Received: from vk2xoc.ampr.org (vhf433.vk2xoc.ampr.org [44.4.94.32]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA21533 for <aprssig@tapr.org>; Mon, 17 Jun 1996 12:05:41 -0500 (CDT)

Received: from w6dnt.ampr.org by vk2xoc.ampr.org (TNOS2.02p12/U) with SMTP id AA18117 ; Mon, 17 Jun 96 09:48:20 -0700

Received: from at.w6dnt.ampr.org by w6dnt.ampr.org with SMTP id AA3287 ; Mon, 17 Jun 96 09:54:35 -08

Date: Mon, 17 Jun 96 09:43:00 -08
Message-Id: <210@w6dnt.ampr.org>
Sender: Al@w6dnt.ampr.org (Al Chan - W6DNT)
From: Al@w6dnt.ampr.org (Al Chan - W6DNT)
Reply-To: Al@w6dnt.ampr.org
To: aprssig@tapr.org@w6dnt.ampr.org, alchan@ix.netcom.com@w6dnt.ampr.org,
al.chan@toadhall.com@w6dnt.ampr.org
Subject: Re: HOW ACCURATE is the clock?

On June 17, 1996 Doug Brumm wrote:

>>In the case of GPS signals, the atmosphere is a constantly-changing
>>material with a varying speed for EM waves. The wave fronts will never be
>>truly spherical.

Good point! I now understand that the Almanac is updated to reflect on
changes of atmospheric conditions that may affect the speed of propagation
of lights or EM.

How is that done? Wouldn't they have to have monitoring stations all over
the place to measure the propagation delay, and update the Almanac?

Also, Einstein says GRAVITY has something to do with the propagation. I
wonder if the gravity of the Moon has any adverse effect on it?

-al chan w6dnt

 Al@w6dnt.ampr.org

From gerry@cs.tamu.edu Mon Jun 17 12:28:44 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id MAA22607 for <aprssig@tapr.org>; Mon, 17 Jun 1996
12:28:40 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id MAA06803 for <aprssig@tapr.org>; Mon, 17
Jun 1996 12:28:10 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id MAA18508 for
aprssig@tapr.org; Mon, 17 Jun 1996 12:27:03 -0500
Message-Id: <199606171727.MAA18508@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2057] JAVA APRS
To: aprssig@tapr.org
Date: Mon, 17 Jun 1996 12:27:02 -0500 (CDT)
In-Reply-To: <199606171344.NAA47369@smtp-gw01.ny.us.ibm.net> from "Dale
Heatherington" at Jun 17, 96 08:56:53 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Going to Java makes sense, and will make for some snappy APRS-esque web sites.

I'd still like to see a port to OS/2, but I don't suppose it's going to happen...

gerry
(Not sour grapes, just realistic)

From 71301.3106@CompuServe.COM Mon Jun 17 12:33:28 1996
Received: from arl-img-2.compuserve.com (arl-img-2.compuserve.com [198.4.7.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA22958 for <aprssig@tapr.org>; Mon, 17 Jun 1996 12:33:25 -0500 (CDT)
Received: by arl-img-2.compuserve.com (8.6.10/5.950515)
id NAA04059; Mon, 17 Jun 1996 13:32:50 -0400
Date: 17 Jun 96 13:31:28 EDT
From: Mike Musick <71301.3106@CompuServe.COM>
To: <aprssig@tapr.org>
Subject: GPS Antenna Preamplifier
Message-ID: <960617173127_71301.3106_FHJ77-3@CompuServe.COM>

Bernard, KB2TGH, writes:

>I was looking for a pre-amp chip for my home made GPS antenna for a while,
>and found something interesting:
>
>The MAR-6 from Mini-Circuits is the perfect candidate for that.

Yes it is. I've worked with the MAR series for five years and have to agree.

Bernard has the schematic right. While the application notes call for a choke on the power lead this is one of the situations that is an exception (i.e., a choke doesn't accomplish anything!). The capacitor values are noncritical; they're just there for decoupling. I usually use 10pF.

A few tips for somebody inclined to fool with this:

- 1) Depending on the GPS, you might need to fool with the resistor value. The GPS itself may have already assumed a certain amount of current limiting and it is too easy to limit them below their operating threshold.
- 2) The operating threshold *is* important. MAR's (and other MMIC's) become noise generators if undersupplied.
- 3) Construction is critical with the MAR-6's. They have a lot of gain (20dB nominal, probably 15dB at 1500 MHz), and even though the device itself is inherently stable, sloppy construction can result in a feedback loop and then you've got yourself a broadband oscillator. Aside from stripline style, I strongly recommend that the entire amplifier be constructed in SMD.
- 4) I'd find a way to put the MMIC in the antenna itself, which is how the store-bought antennas are constructed. Doing the preamp as a separate box just multiplies the potential problem points.

...mike musick/NOQBF

71301.3106@compuserve.com

Operating MacAPRS 2.4.5 on a PB 170 and PowerMacs 7200 & 8100

Operating APRS 7.6d on an HP200LX palmtop

From 71301.3106@CompuServe.COM Mon Jun 17 12:34:42 1996

Received: from dub-img-7.compuserve.com (dub-img-7.compuserve.com [198.4.9.8]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA23076 for <aprssig@tapr.org>; Mon, 17 Jun 1996 12:34:29 -0500 (CDT)

Received: by dub-img-7.compuserve.com (8.6.10/5.950515)

id NAA09449; Mon, 17 Jun 1996 13:33:52 -0400

Date: 17 Jun 96 13:31:43 EDT

From: Mike Musick <71301.3106@CompuServe.COM>

To: <aprssig@tapr.org>

Subject: MIC-E & Voice Repeaters

Message-ID: <960617173143_71301.3106_FHJ77-5@CompuServe.COM>

I've been following the discussion about the integration of the MIC-E into "normal" FM repeater operation, and have a couple of comments.

As seems to be S.O.P. for some of the technical tricks around here, the MIC-E assumes perfect operation and full-quieting signals. That's not real world. I take it

From rtucker@moocow1.ttgciitn.com Mon Jun 17 12:35:29 1996

Received: from insosf1.netins.net (root@insosf1.netins.net [167.142.225.5]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA23259 for <aprssig@tapr.org>; Mon, 17 Jun 1996 12:35:20 -0500 (CDT)

Received: (from root@localhost) by insosf1.netins.net id MAA24336 for aprssig@tapr.org; Mon, 17 Jun 1996 12:35:13 -0500 (CDT)

Received: from moocow1.ttgciitn.com (moocow1.ttgciitn.com [10.42.1.3]) by crasher2.ttgciitn.com (8.7.5/960507.rtucker) with SMTP id MAA06644; Mon, 17 Jun 1996 12:17:28 -0500

Date: Mon, 17 Jun 1996 12:17:28 -0500

Message-Id: <199606171717.MAA06644@crasher2.ttgciitn.com>

X-Sender: rtucker@crasher2

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Ryan Tucker <rtucker@moocow1.ttgciitn.com>

Subject: Re: [APRSSIG:2058] Re: More serial Port help needed!

Cc: aprssig@tapr.org

Hmmm... do you have a list of conflicting addresses? I have an S3 video card in my mail server, and use all 4 com ports easily. It might be video card specific -- what kind of video card do you have? (mine is a Diamond Stealth 64, i think.) -rt

At 09:15 AM 6/17/96 -0500, Paul Moller wrote:

>A word of advise that saved me a lot of trouble Video cards that use
>the "S-3" chip set (many new ones do) will cause address conflicts with
>com4. This will NOT show up as a conflict in device manager because device

>manager looks at the first address of the range only. The S-3 chip set uses
>a couple of addresses in the middle of the com4 range. In summary, if you
>have an S-3 chip set, com 4 is out of the question.

>

> I found out my motherboard took
>>control of which interrupt the video card had. Then it and Win95 proceeded to
>>dole out the other interrupts etc. When I got to setting the 4th port for my
>>KPC-3 to use I was having lots of fits. I had to investigate what devices
>>where using what interrupts and compare that to what was available and that I
>>could move about. USE CAUTION HERE!!!!

>Paul, WD9ABE

>

>

--

#!/bin/sh

Ryan Tucker <rtucker@ttgcitn.com>

President, TTGCITN Communications

lynx <http://www.ttgcitn.com>

From rtucker@moocow1.ttgcitn.com Mon Jun 17 12:35:30 1996

Received: from insosf1.netins.net (root@insosf1.netins.net [167.142.225.5]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA23266 for <aprssig@tapr.org>; Mon, 17
Jun 1996 12:35:25 -0500 (CDT)

Received: (from root@localhost) by insosf1.netins.net id MAA01192 for
aprssig@tapr.org; Mon, 17 Jun 1996 12:35:12 -0500 (CDT)

Received: from moocow1.ttgcitn.com (moocow1.ttgcitn.com [10.42.1.3]) by
crasher2.ttgcitn.com (8.7.5/960507.rtucker) with SMTP id MAA06639; Mon, 17 Jun
1996 12:17:23 -0500

Date: Mon, 17 Jun 1996 12:17:23 -0500

Message-Id: <199606171717.MAA06639@crasher2.ttgcitn.com>

X-Sender: rtucker@crasher2

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Ryan Tucker <rtucker@moocow1.ttgcitn.com>

Subject: Re: [APRSSIG:2057] JAVA APRS

Cc: aprssig@tapr.org

At 08:53 AM 6/17/96 -0500, Dale Heatherington wrote:

>Perhaps porting APRS to Java might make more sense
>than porting to OS/2. The next version of OS/2, code named
>Merlin, will have Java built into the OS.
>See <http://www.austin.ibm.com/pspinfo/os2.html> for details.

Would cover Linux, too :-)

Linux has support for Java binaries, starting (in stable form) in 2.0.
However, you have to install the Java Development Kit. I haven't looked
much into it, but...

The major problem with Java would probably be the "unprivledged" nature of

Java. I'm assuming that Java blocks access to the com ports, et al, since it could be used for malicious purposes. So, it would probably not float.

However, it would be nice to have a modular approach. Have a main "backend" that is extremely portable between OS's and just does the grungy operations, and then write OS-specific things on top of it that the backend hooks to. It would make code maintenance a *LOT* easier. I'm assuming that Mark/Keith are already using it for WinAPRS/MacAPRS in some form, since they're pretty much the same. -rt

--

```
#!/bin/sh
# Ryan Tucker <rtucker@ttgciitn.com>
# President, TTGCITN Communications
lynx http://www.ttgciitn.com
```

From dmobley@encore.com Mon Jun 17 12:36:21 1996
Received: from ns.encore.COM (ns.encore.COM [129.91.131.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA23309 for <aprssig@tapr.org>; Mon, 17 Jun 1996 12:36:17 -0500 (CDT)
Received: from rt-tss.encore.COM by ns.encore.COM with SMTP id AA29150 (5.67/UK-2.1-950411); Mon, 17 Jun 96 13:36:32 -0400
Sender: dmobley@encore.com
Message-Id: <31C597DB.6231@encore.com>
Date: Mon, 17 Jun 1996 13:37:31 -0400
From: Dennis Mobley <dmobley@encore.com>
Organization: Encore Computor Corp
X-Mailer: Mozilla 3.0b4 (X11; I; OSF1 V3.2 alpha)
Mime-Version: 1.0
To: aprssig <aprssig@tapr.org>
Subject: Might I suggest...
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

While I enjoy the on going discussions on the APRS SIG, it might be time for moving the SIG to a USENET news group.

My mail box fills quickly with the numerous postings.

Thank you & 73 de Dennis KT4FI

From 71301.3106@CompuServe.COM Mon Jun 17 12:57:46 1996
Received: from dub-img-7.compuserve.com (dub-img-7.compuserve.com [198.4.9.8]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA24065 for <aprssig@tapr.org>; Mon, 17 Jun 1996 12:57:26 -0500 (CDT)
Received: by dub-img-7.compuserve.com (8.6.10/5.950515) id NAA15584; Mon, 17 Jun 1996 13:56:45 -0400
Date: 17 Jun 96 13:54:28 EDT
From: Mike Musick <71301.3106@CompuServe.COM>
To: <aprssig@tapr.org>
Subject: GPS Antenna Preamp

Message-ID: <960617175428_71301.3106_FHJ46-1@CompuServe.COM>

Oh - I left some crucial information out of my posting about MAR-6's!

It is not necessary to go through all the trouble of a group purchase for MAR-6's, as there are at least two retailers who will sell them to individuals on a one-each basis. I do, however, recommend that you always buy four or five if it's your first exposure to MMIC's - you need ample spares to sacrifice to the soldering-iron gods!

MAR-6's may be purchased from:

Down-East Microwave (I forget their number; check the ham magazines).

Gateway Electronics, 1-800-669-5810.

Down-East sells 'em for \$2 each if memory serves right, Gateway around \$1.50 or so.

...mike/N0QBF

From steve.hall@lerc.nasa.gov Mon Jun 17 13:07:36 1996
Received: from linux.chuh.cleveland-heights.k12.oh.us (root@linux.chuh.cleveland-heights.k12.oh.us [205.133.64.42]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA24466 for <aprssig@tapr.org>; Mon, 17 Jun 1996 13:07:25 -0500 (CDT)
Received: from kk4pm.nasa.gov (kk4pm.lerc.nasa.gov [139.88.44.41]) by linux.chuh.cleveland-heights.k12.oh.us (8.6.12/8.6.9) with SMTP id OAA04126 for <aprssig@tapr.org>; Mon, 17 Jun 1996 14:22:04 -0400
Date: Mon, 17 Jun 1996 14:22:04 -0400
Message-Id: <2.2.16.19960617141226.2557731a@popd.ix.netcom.com>
X-Sender: kk4pm@popd.ix.netcom.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Steve Hall <steve.hall@lerc.nasa.gov>
Subject: Re: [APRSSIG:2067] Re: DFjr & APRS

At 11:05 AM 6/17/96 -0500, Bill KE4EER wrote:

>> Steve Hall - KK4PM
>> Great Steve and thanks for the information, and i hope you will keep us
>informed as to the progress of your tests. I wonder what version of APRS you
>where talking about since Bob did do some fixing in 76d. Mine is suppose to be
>shipped the 21st of this month so hopefully i will also post some feedback to
>the sig since it will be a big part of APRS. Thanks again Steve. I used this
>bandwidth by posting the whole message and the reply because i'm sure many
>users are intersted in this.
>--

I first tried version 75F (which was the same as the Dayton release) which didn't recognize the GPS data. I then tried 76b which would work IF you told it you had a TNC (which would choke on all the NEMA data flooding in

from the GPS)

I will check TAPR today for a new version. I'll let you know what I find.

73, de Steve Hall - KK4PM

From 71301.3106@CompuServe.COM Mon Jun 17 13:10:44 1996

Received: from dub-img-7.compuserve.com (dub-img-7.compuserve.com [198.4.9.8]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA24810 for <aprssig@tapr.org>; Mon, 17 Jun 1996 13:10:40 -0500 (CDT)

Received: by dub-img-7.compuserve.com (8.6.10/5.950515)
id NAA09447; Mon, 17 Jun 1996 13:33:52 -0400

Date: 17 Jun 96 13:31:40 EDT

From: Mike Musick <71301.3106@CompuServe.COM>

To: <aprssig@tapr.org>

Subject: MIC-E & Voice Repeaters

Message-ID: <960617173139_71301.3106_FHJ77-4@CompuServe.COM>

As an owner and/or maintenance and/or control op on a number of repeaters, I've been following the MIC-E developments with interest.

My experience with packet and FM repeaters begs the question: will users willingly put-up with MIC-E operators who have less than perfect signals? I know that *I* wouldn't!

IOW, I think it's a really bad idea to rely on DCD to mute the repeater. The threshold for detection of valid data on most TNC's requires a signal that is practically full-quieting. That's not real-world.

There needs to be more work done on the MIC-E/voice repeater piggyback concept before it's ready for "prime time". I have three suggestions for development paths:

1) 9600 baud. The brief data burst would just sound like a long squelch tail. [Disadvantage - major implementation challenge on all but a handful of transceivers.]

2) A separate purpose-built DSP module instead of using DCD for detection of data content. It's not important that the data be decoded for muting purposes, just that the presence of data tones is recognized. DSP would reliably pull the tones out of the hash.

3) Separate transceiver for MIC-E. IOW, a "data channel", something we've already developed. If there was a big push here to implement MIC-E quickly, that's how I'd do it.

You'll notice that on #3 I said "transceiver", and that includes a full TNC with a means to hold transmit if the channel is busy. I'm not happy with the suggestions I've seen about blind transmitters; this is very poor Amateur practice and would earn an Official Observer notification if I caught it in use.

There are a lot of great ideas circulating in the SIG, but we need to be much more mindful of how things are going to work when operating conditions (or operators!) are less than optimum. We're not the only ones on the bands.

...mike musick/NOQBF

[PS - apologies if a bogus message with the same header appears on the sig. My e-mail program has indigestion and claims that it's going to send a poorly-worded message that was deleted from the queue. Oops.]

From Al@w6dnt.ampr.org Mon Jun 17 13:11:50 1996
Received: from vk2xoc.ampr.org (vhf433.vk2xoc.ampr.org [44.4.94.32]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA24809 for <aprssig@tapr.org>; Mon, 17 Jun 1996 13:10:36 -0500 (CDT)
Received: from w6dnt.ampr.org by vk2xoc.ampr.org (TNOS2.02p12/U) with SMTP id AA18123 ; Mon, 17 Jun 96 10:57:53 -0700
Received: from at.w6dnt.ampr.org by w6dnt.ampr.org with SMTP id AA3297 ; Mon, 17 Jun 96 10:58:25 -08
Date: Mon, 17 Jun 96 10:53:01 -08
Message-Id: <212@w6dnt.ampr.org>
Sender: Al@w6dnt.ampr.org (Al Chan - W6DNT)
From: Al@w6dnt.ampr.org (Al Chan - W6DNT)
Reply-To: Al@w6dnt.ampr.org
To: aprssig%tapr.org@w6dnt.ampr.org, al.chan%toadhall.com@w6dnt.ampr.org, alchan%ix.netcom.com@w6dnt.ampr.org
Subject: Re: HOW ACCURATE is the clock?

> curious. A "radar mile" is 12.359 microseconds. That means, if the
> time of the GPS receiver was OFF by only 3 microseconds, the
> positions would be HALF a mile OFF. Is that true?

WHO NEEDS A CLOCK?

Question: Wonder why the clock in the GPS receiver isn't dispense with all together?

Since we know the locations of the satellites; and we know they are broadcasting UTC time super-accurately, why not use the LORAN theory. The RATIO of the time difference (of arrival of the signals) from two satellites should give us a good hyperbola. And a third satellite will solve the ambiguity.

WHY NOT? Is there any reason why not have LORAN in the sky?

Furthermore, since only the RATIO is used, then we won't have to worry about birefringence; double refraction; or any atmospheric condition that would adversely affect the speed of propagation of electro-magnetic waves. Si?

-al chan w6dnt

Al@w6dnt.ampr.org

From dbb4@P07.RV.unisys.com Mon Jun 17 13:32:07 1996
Received: from eamail1.unisys.com (eamail1.unisys.com [192.61.103.80]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id NAA25483 for <aprssig@tapr.org>; Mon, 17 Jun 1996 13:31:59 -0500 (CDT)
Received: from rsvl.unisys.com (rsvl_po.rsvl.unisys.com [192.61.220.100]) by eamail1.unisys.com (8.7.3/8.6.12) with SMTP id SAA14277 for <aprssig@tapr.org>; Mon, 17 Jun 1996 18:31:22 GMT
Received: from rsvl_gw.rsvl.unisys.com (po4a) by rsvl.unisys.com (4.1/SMI-4.1) id AA14427; Mon, 17 Jun 96 13:31:25 CDT
Received: by rsvl_gw.rsvl.unisys.com with Microsoft Mail id <31C5A453@rsvl_gw.rsvl.unisys.com>; Mon, 17 Jun 96 13:30:43 CDT
From: "Baker, Donn B RV" <dbb4@P07.RV.unisys.com>
To: aprssig <aprssig@tapr.org>
Subject: Re: MAR-6 and QST patch ant
Date: Mon, 17 Jun 96 13:32:00 CDT
Message-Id: <31C5A453@rsvl_gw.rsvl.unisys.com>
Encoding: 34 TEXT
X-Mailer: Microsoft Mail V3.0

I have used a MAR-6 with the QST patch antenna, and the amplifier does improve the reception somewhat. Even with the amplifier, it is not as good as the Trimble patch... but it is a LOT cheaper. I have both; the Trimble is more or less permanently mounted on the back of my mini-van, but I still keep the QST patch and MAR-6 handy.

The MAR-6 is SPEC'd at 3 (or 3.2) dB noise figure... but by the time you get it onto a substrate, with connector, input capacitor, solder, etc., you're actually around 4 or 4.5 dB. This is NOT that bad. It's not good, but it's not that bad. (A word of caution... You really do need to isolate the antenna from the device: the input pin is DC coupled to the circuit. If you should accidentally ground the plate of the patch antenna, the device will no longer work, and it is possible that it will self-destruct ! The input C should be maybe 20 to 50pf, and it SHOULD be a chip type. A disk ceramic or silver mica will work, but these will also increase the NF.)

There are some other devices, such as the HP 86576, GaAsFET MMICs that are specifically made for this market place. They are somewhat more expensive (DownEast Microwave carries them for \$12 ea), and are spec'd at ~ 2dB NF. BUT, they are NOT unconditionally stable if the substrate is more than 0.040" thick. I don't think they are worth the extra hassle for not that much better a NF. If they ran 1 dB, well....

Bernard, I'd strongly recommend that you go with the standard packages, and NOT the surface mount ones. The SM packages are much more difficult to solder unless you have exactly the correct soldering iron, tools, etc. With the standard packages, you can drill a "tight-fit" hole, say, 0.082" (I *think* that's a #43 drill... don't know, as I'm at work, and don't have a drill table here), and drop the pill into it and then solder. Also, this places NO stress on the leads. They DO break.

Donn
WA2VOI

From sdimse@bridge.net Mon Jun 17 14:28:05 1996
Received: from relay2.UU.NET (relay2.UU.NET [192.48.96.7]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id OAA27935 for <aprssig@tapr.org>; Mon, 17 Jun 1996
14:27:55 -0500 (CDT)
Received: from bridge.net by relay2.UU.NET with ESMTP
 (peer crosschecked as: newworld.bridge.net [204.253.4.4])
 id QQaun120379; Mon, 17 Jun 1996 15:27:39 -0400 (EDT)
Received: from [204.253.4.130] (ppp-mia4-130.bridge.net [204.253.4.130]) by
bridge.net (8.7.5/8.7.3) with SMTP id PAA10396 for <aprssig@tapr.org>; Mon, 17 Jun
1996 15:24:54 -0400 (EDT)
Message-Id: <199606171924.PAA10396@bridge.net>
Subject: Re: [APRSSIG:2057] JAVA APRS
Date: Mon, 17 Jun 96 15:27:41 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>Perhaps porting APRS to Java might make more sense
>than porting to OS/2. The next version of OS/2, code named
>Merlin, will have Java built into the OS.
>See <http://www.austin.ibm.com/pspinfo/os2.html> for details.
>
>Java programs and applets will run as if they are native OS/2 code.
>Once ported to Java, aprs will run on any Java enabled
>platform, which should include just about all of them
>within a year or so!
>
>Java enabled aprs web servers could be built which
>would allow anyone with internet access and a Java
>enabled web browser to see aprs data. Said web servers
>could also exist on the tcpip/ax25 radio links (at 9600 bps and higher).
>

Alright, since someone mentioned it, I will admit it, this is exactly my
plan. Check out

<<http://www.bridge.net/~sdimse/javAPRS.html>>

There are a few problems with running a full-blown version of APRS this
way, mostly speed. For now, Java is an interpreted language, so things
run slowly. Eventually the Java interpreters will support "just in time"
compilation, which will improve things. I do not intend to produce a
fully functional version of APRS that competes with dos/win/MacAPRS,
rather a set of applets designed for specific needs.

So far, my program displays dosAPRS maps, and can plot positions. It also
can read a stream of incoming GPS data and parse out the position data.
I've only had the development environment for a couple of weeks, so
javAPRS is still in its infancy. Stay tuned for further details...

73 de Steve K04HD

From Jon.T.Adams@jpl.nasa.gov Mon Jun 17 14:45:03 1996
Received: from elxr.jpl.nasa.gov (elxr-fddi.jpl.nasa.gov [137.78.71.22]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA28681 for <aprssig@tapr.org>; Mon, 17
Jun 1996 14:44:58 -0500 (CDT)
Received: from alcina.jpl.nasa.gov (alcina.jpl.nasa.gov [137.78.72.152]) by
elxr.jpl.nasa.gov (8.6.12/8.6.6) with SMTP id MAA02265 for <aprssig@tapr.org>;
Mon, 17 Jun 1996 12:50:24 -0700
X400-Received: by /c=us/admd=telemail/prmd=nasa/; converted (IA5-Text);
Relayed; 17 Jun 1996 12:44:06 -0700
X400-Received: by mta Proteus in /c=us/admd=telemail/prmd=nasa/; converted (
IA5-Text); Relayed; 17 Jun 1996 12:44:06 -0700
X400-MTS-Identifier: [/c=us/admd=telemail/prmd=nasa/; 0707331C5B5860A2-Proteus]
Content-Identifier: 0707331C5B5860A2
Content-Return: Allowed
X400-Content-Type: P2-1988 (22)
Conversion: Allowed
Original-Encoded-Information-Types: IA5-Text
Priority: normal
Disclose-Recipients: Prohibited
Alternate-Recipient: Allowed
X400-Originator: Jon.T.Adams@jpl.nasa.gov
X400-Recipients: non-disclosure;
Message-Id:
<0707331C5B5860A2*/c=us/admd=telemail/prmd=nasa/o=jpl/ou=ccmail/s=Adams/g=Jon/
i=T/@MHS>
Date: 17 Jun 1996 12:44:06 -0700
From: "Jon T Adams" <Jon.T.Adams@jpl.nasa.gov>
To: "aprssig@tapr.org" <aprssig@tapr.org> (Return requested),
"71301.3106@compuserve.com" <71301.3106@compuserve.com> (Return requested)
Subject: Re: [APRSSIG:2075] GPS Antenna Preamp
MIME-Version: 1.0

If you're gonna go to the effort to build a preamp for your GPS
antenna, please avoid multiple problems (or complete loss of utility)
down the road and fit a good bandpass filter in front of the amp.
Those little amps are very wide band, and your 2m or 440 or HF rig in
the vehicle with you is gonna swamp the darned thing every time. I
face this right now with my amp'd Garmin antenna and others know
exactly what I'm speaking of...

73 - Jon NW6H

----- Reply Separator -----
Subject: [APRSSIG:2075] GPS Antenna Preamp
Author: 71301.3106@compuserve.com at Internet
Date: 6/17/96 12:06 PM

Bernard, KB2TGH, writes:

>I was looking for a pre-amp chip for my home made GPS antenna for a while,
>and found something interesting:
>
>The MAR-6 from Mini-Circuits is the perfect candidate for that.

Yes it is. I've worked with the MAR series for five years and have to agree.

Bernard has the schematic right. While the application notes call for a choke on the power lead this is one of the situations that is an exception (i.e., a choke doesn't accomplish anything!). The capacitor values are noncritical; they're just there for decoupling. I usually use 10pF.

A few tips for somebody inclined to fool with this:

- 1) Depending on the GPS, you might need to fool with the resistor value. The GPS itself may have already assumed a certain amount of current limiting and it is too easy to limit them below their operating threshold.
- 2) The operating threshold *is* important. MAR's (and other MMIC's) become noise generators if undersupplied.
- 3) Construction is critical with the MAR-6's. They have a lot of gain (20dB nominal, probably 15dB at 1500 MHz), and even though the device itself is inherently stable, sloppy construction can result in a feedback loop and then you've got yourself a broadband oscillator. Aside from stripline style, I strongly recommend that the entire amplifier be constructed in SMD.
- 4) I'd find a way to put the MMIC in the antenna itself, which is how the store-bought antennas are constructed. Doing the preamp as a separate box just multiplies the potential problem points.

...mike musick/N0QBF

71301.3106@compuserve.com

Operating MacAPRS 2.4.5 on a PB 170 and PowerMacs 7200 & 8100

Operating APRS 7.6d on an HP200LX palmtop

From gerry@cs.tamu.edu Mon Jun 17 15:09:41 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA00398 for <aprssig@tapr.org>; Mon, 17 Jun 1996 15:09:31 -0500 (CDT)

Received: from solar.cs.tamu.edu (solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id PAA13558 for <aprssig@tapr.org>; Mon, 17 Jun 1996 15:08:57 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id PAA20889 for aprssig@tapr.org; Mon, 17 Jun 1996 15:07:18 -0500

Message-Id: <199606172007.PAA20889@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:2079] Might I suggest...

To: aprssig@tapr.org
Date: Mon, 17 Jun 1996 15:07:16 -0500 (CDT)
In-Reply-To: <31C597DB.6231@encore.com> from "Dennis Mobley" at Jun 17, 96 01:07:44 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Dennis Mobley sez:

>
> Folks,
>
> While I enjoy the on going discussions on the APRS SIG,
> it might be time for moving the SIG to a USENET news group.

Nope. I disagree. I do *NOT* have time to sift thru the USENET drive, nor the inclination to beat back yet another Krazy Kevin magazine attack. We've discussed this before, and I still think this is a bad idea.

> My mail box fills quickly with the numerous postings.

Mine does, too. This group is sometimes half of the mail there, then again, sometimes the IP Security Working Group occupies most of the spool space.

73, gerry

From gerry@cs.tamu.edu Mon Jun 17 15:25:05 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA01137 for <aprssig@tapr.org>; Mon, 17 Jun 1996 15:25:01 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id PAA14024 for <aprssig@tapr.org>; Mon, 17 Jun 1996 15:24:28 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id PAA21222 for aprssig@tapr.org; Mon, 17 Jun 1996 15:23:19 -0500
Message-Id: <199606172023.PAA21222@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2083] Re: HOW ACCURATE is the clock?
To: aprssig@tapr.org
Date: Mon, 17 Jun 1996 15:23:18 -0500 (CDT)
In-Reply-To: <212@w6dnt.ampr.org> from "Al Chan - W6DNT" at Jun 17, 96 01:50:08 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Al Chan - W6DNT sez:

>
>
> > curious. A "radar mile" is 12.359 microseconds. That means, if the
> > time of the GPS receiver was OFF by only 3 microseconds, the
> > positions would be HALF a mile OFF. Is that true?

>
>
> WHO NEEDS A CLOCK?
>
> Question: Wonder why the clock in the GPS receiver isn't dispense with all
> together?

Because all a GPS receiver really is, is a very accurate clock (short term)
that can be sync'd with the GPS time for timing recovery.

> Since we know the locations of the satellites; and we know they are
> broadcasting UTC time super-accurately, why not use the LORAN theory. The
> RATIO of the time difference (of arrival of the signals) from two satellites
> should give us a good hyperbola. And a third satellite will solve the
> ambiguity.

Wrong, and wrong. We have an idea from the broadcast ephemeris where the
satellites are, within 20 or so meters. That's not precise. We are concerned
with which integer wavelength of the GPS signal (OK, really which chip from
the SS signal, but for our purposes it's the same) we are receiving. Not just
getting a time hack. And finally, the GPS NAV timing signal is broadcast in Z
code, which is based in seconds since start of week. You then have to do
significant table lookups and logic trails to make sure you know how many leap
seconds, and when, to add 'em in.

> WHY NOT? Is there any reason why not have LORAN in the sky?

Wavelength is too long? LORAN is reasonably precise for local areas without
LF/MF multipath and fading, say, within 100 km of the chain. LORAN in the sky
might just improve that somewhat, but maintaining the absolute and timing
relationships of the stations (satellites would be interesting.

> Furthermore, since only the RATIO is used, then we won't have to worry about
> birefringence; double refraction; or any atmospheric condition that would
> adversely affect the speed of propagation of electro-magnetic waves. Si?

Nope. The RATIO is nice, but absolute differences are used after the integer
ambiguity is resolved, either by measurement, algorithm or guess.

Propagation remains a real issue.

73, gerry

From etroy@aeroconsult.com Mon Jun 17 15:33:40 1996
Received: from mail.voicenet.com (mail.voicenet.com [207.103.0.35]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA01565 for <aprssig@tapr.org>; Mon, 17 Jun 1996
15:33:29 -0500 (CDT)
Received: from nikki (ivyland402.voicenet.com [205.245.110.181]) by
mail.voicenet.com (8.6.12/8.6.12) with SMTP id QAA01158 for <aprssig@tapr.org>;
Mon, 17 Jun 1996 16:33:08 -0400
Message-Id: <2.2.32.19960617203355.0068a2bc@popmail.voicenet.com>
X-Sender: etroy@popmail.voicenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Jun 1996 16:33:55 -0400
To: aprssig@tapr.org
From: Ed Troy <etroy@aeroconsult.com>
Subject: Commercial use of APRS? How much, where?

What provisions are made for commercial use, and or modification of APRS technology, and also the associated maps? Where would I go to get detailed information on that. Probably for windows/win95 platform, although possibly UNIX, although I suspect the software does not exist for that.

Ed

Ed Troy
Aerospace Consulting
<http://www.aeroconsult.com>

RF, Microwave, Wireless, and Analog Design, Development, and Consulting. Also, circuit board layout using PCAD, software development, and GPS applications

From wa4dsy@wa4dsy.radio.org Mon Jun 17 15:36:17 1996
Received: from smtp-gw01.ny.us.ibm.net (smtp-gw01.ny.us.ibm.net [165.87.194.252])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA01734 for <aprssig@tapr.org>; Mon,
17 Jun 1996 15:36:12 -0500 (CDT)
Received: (from uucp@localhost) by smtp-gw01.ny.us.ibm.net (8.6.9/8.6.9) id
UAA27351 for <aprssig@tapr.org>; Mon, 17 Jun 1996 20:35:56 GMT
Message-Id: <199606172035.UAA27351@smtp-gw01.ny.us.ibm.net>
Received: from wa4dsy-1.wa4dsy.radio.org(206.28.196.146) by smtp-
gw01.ny.us.ibm.net via smap (V1.3mjr)
id smaF7sCKs; Mon Jun 17 20:35:50 1996
Date: Mon, 17 Jun 96 16:35:48 EDT
From: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
Reply-To: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
To: aprssig@tapr.org
X-Mailer: Dale Heatherington's PMMail v1.1
Subject: Re: [APRSSIG:2078] Re: JAVA APRS

On Mon, 17 Jun 1996 13:03:59 -0500 (CDT) you wrote:

>At 08:53 AM 6/17/96 -0500, Dale Heatherington wrote:
>>Perhaps porting APRS to Java might make more sense
>>than porting to OS/2. The next version of OS/2, code named
>>Merlin, will have Java built into the OS.
>>See <http://www.austin.ibm.com/pspinfos/os2.html> for details.
>
>Would cover Linux, too :-)
>
>Linux has support for Java binaries, starting (in stable form) in 2.0.
>However, you have to install the Java Development Kit. I haven't looked
>much into it, but...

```

>
>The major problem with Java would probably be the "unprivileged" nature of
>Java. I'm assuming that Java blocks access to the com ports, et al, since
>it could be used for malicious purposes. So, it would probably not float.
>
>However, it would be nice to have a modular approach. Have a main "backend"
>that is extremely portable between OS's and just does the grungy operations,
>and then write OS-specific things on top of it that the backend hooks to.
>It would make code maintenance a *LOT* easier. I'm assuming that Mark/Keith
>are already using it for WinAPRS/MacAPRS in some form, since they're pretty
>much the same. -rt
>

```

I went the comp.lang.java news group and found the following thread about serial ports and Java. Platform specific code will be needed if a TNC needs to be accessed with the serial port. It could be a DLL or a small program which acts as a gateway between some tcpip socket and the serial port. For those who access aprs position data only from internet won't need serial port access.

[Begin included text]

```

-----
Grant Gainey wrote:
>
> James Cassidy wrote:
> >
> > Is there any way to access the serial port from java applications? I have
some
> > interesting applications that require communication with serial instruments
from
> > java on Macs and PC's running win96/nt.
>
> Write your native serial-port-access methods, and use the Java native-access
> hooks to call them. This will, of course, make your Java code machine
> specific.
>
> Of course, even if you _could_ figure out a way to achieve serial-port
> access completely within Java, it wouldn't work very well on my Solaris
> box. Sometimes, portability is _not_ an issue...
>
> Grant

```

Yes, this method will work perfectly. Portability is not a problem since a serial port is NOT a portable device.

But how to transform this java application into an applet application?
A problem arises : an applet cannot use native functions to access specific CLIENT-side device such as its serial port !

Is anybody aware of that?

[end included text]

Dale Heatherington, WA4DSY
e-mail - wa4dsy@wa4dsy.radio.org
Web page - www.wa4dsy.radio.org
This message brought to you by OS/2 Warp Connect.

From willf@rrgroup.com Mon Jun 17 16:11:31 1996
Received: from inc.net (beta.inc.net [204.95.160.2]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id QAA02708 for <aprssig@tapr.org>; Mon, 17 Jun 1996 16:08:26 -0500
(CDT)
Received: from will (will.rrgroup.com [204.95.173.139]) by inc.net (8.7.5/8.7.3)
with SMTP id QAA24044; Mon, 17 Jun 1996 16:04:27 -0500 (CDT)
Message-ID: <31C5C8DC.4D52@rrgroup.com>
Date: Mon, 17 Jun 1996 16:06:36 -0500
From: Will Flor <willf@rrgroup.com>
Organization: R R Systems Group Inc.
X-Mailer: Mozilla 2.0 (WinNT; I)
MIME-Version: 1.0
To: aprssig@tapr.org
CC: willf@rrgroup.com
Subject: Re: JAVA APRS
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You wrote:

From: Ryan Tucker[SMTP:rtucker@moocow1.ttgcitn.com]
Sent: Monday, June 17, 1996 1:03 PM
To: aprssig@tapr.org
Subject: [APRSSIG:2078] Re: JAVA APRS

>At 08:53 AM 6/17/96 -0500, Dale Heatherington wrote:
>>Perhaps porting APRS to Java might make more sense
>>than porting to OS/2. The next version of OS/2, code named
>>Merlin, will have Java built into the OS.
>>See <http://www.austin.ibm.com/pspinfo/os2.html> for details.

>Would cover Linux, too :-)

>Linux has support for Java binaries, starting (in stable form) in 2.0.
>However, you have to install the Java Development Kit. I haven't looked

>much into it, but...

>The major problem with Java would probably be the "unprivileged" nature of
>Java. I'm assuming that Java blocks access to the com ports, et al, since
>it could be used for malicious purposes. So, it would probably not float.

Java doesn't block access to anything AFAIK; the blocking is the responsibility of the container application (web browser, etc.) I'm not sure about the serial ports, but most Java containers I'm aware of, like Netscape 2.0, certainly do block file I/O to one degree or another, as well as spawning external processes, connecting to other machines, etc. With Netscape 2.0, for example, not only is writing to a file prohibited, the poor Java applet can't even *read* a file! Another problem is that excellent reverse-engineering tools are available from Sun, so everybody can simply and easily open your code up and look at its internals. Another problem is speed - Java is quite slow for "serious" work; I'm not sure if this would really be a problem with APRS, though, since we seem to do OK with 6 MHz 8088s.

73 de KB9JTT

Professional software developer for 17 years and counting

From jwdstu@westga.edu Mon Jun 17 16:16:55 1996

Received: from sun.cc.westga.edu (sun.cc.westga.edu [160.10.4.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA03152 for <aprssig@tapr.org>; Mon, 17 Jun 1996 16:16:49 -0500 (CDT)

Received: from joe (sun.cc.westga.edu [160.10.4.2]) by sun.cc.westga.edu (8.6.10/8.6.10) with SMTP id RAA07535 for <aprssig@tapr.org>; Mon, 17 Jun 1996 17:16:21 -0400

Message-Id: <1.5.4.32.19960617211633.00686f2c@160.10.4.2>

X-Sender: jwdstu@160.10.4.2

X-Mailer: Windows Eudora Light Version 1.5.4 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Mon, 17 Jun 1996 17:16:33 -0400

To: aprssig@tapr.org

From: Joe DeVille <jwdstu@westga.edu>

Subject: Re: [APRSSIG:2087] Re: Might I suggest... [USENET Group]

At 03:30 PM 6/17/96 -0500, you wrote:

>Dennis Mobley sez:

>>

>> Folks,

>>

>> While I enjoy the on going discussions on the APRS SIG,

>> it might be time for moving the SIG to a USENET news group.

I also disagree. The discussions here have been INSTRUMENTAL in my involvement in APRS. Since my internet access comes through my educational institution, I am limited to the newsgroups they subscribe to, which do not include any of the REC groups.

I wonder how many others are affected by similar problems.

Joe DeVille, KC4IWE Primary address: jwdstu@westga.edu
State University of Secondary address: bm160@freenet.carleton.ca
West Georgia Memberships/Affiliations: American Radio Relay League
Carrollton, GA USA Amateur Radio Emergency Service, SKYWARN, Red Cross
Disaster Services, Atlanta Olympic Band
Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA
----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

From wnolle@ix.netcom.com Mon Jun 17 16:22:33 1996
Received: from dfw-ix7.ix.netcom.com (dfw-ix7.ix.netcom.com [206.214.98.7]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA03635 for <aprssig@tapr.org>; Mon, 17
Jun 1996 16:22:15 -0500 (CDT)
Received: from LOCALNAME (hun-a11-28.ix.netcom.com [205.184.6.60]) by dfw-
ix7.ix.netcom.com (8.6.13/8.6.12) with SMTP id OAA10149 for <aprssig@tapr.org>;
Mon, 17 Jun 1996 14:21:35 -0700
Message-ID: <31C5E85D.663C@ix.netcom.com>
Date: Mon, 17 Jun 1996 16:21:01 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: DFjr
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well guys it looks like i will be doing some Agrelo DFjr testing very soon
now since mine will be shipped on the 21st of this month. Joe Agrelo has been
very helpfull. I have been in contact with Joe and he assured me that in fact
they are shipping daily but with as many orders as they are getting things
tend to bottle neck here and their as it would with any new product . I
suggested that he update his web page so as to keep people informed as to
what is happening with the DFjr. Personally i can't wait to give it a try,
i'm hoping it will work ok with the latest version of APRS because i'm
planning to use it with my TNC,GPS,DFjr and APRS on my laptop. Of course i
will keep the sig informed as to my tests hi. Let Joe know if you need
information about the DFjr or any of it's aspects (I did and he has settled
my nerves hi).

--

Bill KE4EER
wnolle@ix.netcom.com
ke4eer@amsat.org
<http://www.netcom.com/~wnolle>
Subscribe or Unsubscribe to the APRS SIG from my web page.

From seront@seism1.ess.sunysb.edu Mon Jun 17 17:03:38 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id RAA05163 for <aprssig@tapr.org>; Mon, 17 Jun 1996
17:03:22 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-6 #8051)
id <01I60VWIFGCW9YFQ6P@ccmail.sunysb.edu> for aprssig@tapr.org; Mon,
17 Jun 1996 18:03:14 -0400 (EDT)
Received: from cortio.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1)

id AA11380; Mon, 17 Jun 1996 18:02:32 -0400 (EDT)
Date: Mon, 17 Jun 1996 06:02:52 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re:GPS Antenna Preamp
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960617100252.00724a5c@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

>While the application notes call for a choke
>on the power lead this is one of the situations that is an exception (i.e., a
>choke doesn't accomplish anything!). The capacitor values are noncritical;
>they're just there for decoupling. I usually use 10pF.
>

Isn't the choke a low pass filter?
In the GPS application the bias resistor fold back to the antenna coax, ie
the resistor is in parallel with the blocking cap, we may want to avoid high
frequency signal to find a path through this resistor?

>3) Construction is critical with the MAR-6's. They have a lot of gain (20dB
>nominal, probably 15dB at 1500 MHz), and even though the device itself is
>inherently stable, sloppy construction can result in a feedback loop and then
>you've got yourself a broadband oscillator. Aside from stripline style, I
>strongly recommend that the entire amplifier be constructed in SMD.
>

If the gain versus frequency is linear as suggested in the data sheet, that
gives 13.5 dB at 1.5 GHz. I first thought of limiting it by limiting the
power supply current (bias resistor larger than required), as we may need
only 8-10 dB, and this is good for the batteries (if used). Maybe not such a
good idea because of the operating threshold?

Yes construction is quite critical, but as the amp is made of a MAR-6, two
caps, and a resistor (+ choke?), the PCB is quite straightforward. One needs
to be precise with the width of the strip line though. The design in 73'
(Dec 92) looks fine. I'll make and upload (on the ftp server) a drawing.
SMT version of the MAR-6 is the same as standard one, the leads are just
pre-bent to shape. Caps NEED to be SMT ship. For the resistor I don't think
it matters(?).

>4) I'd find a way to put the MMIC in the antenna itself, which is how the
>store-bought antennas are constructed. Doing the preamp as a separate box just
>multiplies the potential problem points.
>

My idea is to build the amp directly on the ground plane of the QST patch

antenna. One replaces the aluminum ground plane by a PC board and etch (or just grind) the striplines right on that.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From seront@seism1.ess.sunysb.edu Mon Jun 17 17:20:00 1996
Received: from ccm1.sunysb.edu (ccm1.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA06141 for <aprssig@tapr.org>; Mon, 17 Jun 1996 17:19:52 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccm1.sunysb.edu (PMD5 V5.0-6 #8051) id <01I60WHXJX9C9YH5LM@ccm1.sunysb.edu> for aprssig@tapr.org; Mon, 17 Jun 1996 18:19:43 -0400 (EDT)
Received: from corto.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA11405; Mon, 17 Jun 1996 18:19:02 -0400 (EDT)
Date: Mon, 17 Jun 1996 06:19:22 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:2080] GPS Antenna Preamp
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960617101922.00a9eed0@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 01:39 PM 6/17/96 -0500, you wrote:

>MAR-6's may be purchased from:
>
> Down-East Microwave (I forget their number; check the ham magazines).
>
> Gateway Electronics, 1-800-669-5810.
>
>Down-East sells 'em for \$2 each if memory serves right, Gateway around \$1.50 or
>so.
>
If there is another and easier way than direct purchase that's perfect.
But as a dozen people already answer me and I have enough interest to buy 50
of them I'm going to do it anyway (unless everybody drop me an e-mail saying
no I don't want them anymore :-).
My interest in that is to have more than one guy trying it in various
configurations so we may have an improvement of the QST patch antenna.
It may also be just what is needed with a remote garmin 45 helix to overcome
coax loss.

So if you want one or a couple of MAR-6, let me know before Tuesday night, i
can order more than 50

Bernard, KB2TGH

Bernard Seront, seront@seism1.ess.sunysb.edu
http://rock.ess.sunysb.edu:8080/

From seront@seism1.ess.sunysb.edu Mon Jun 17 17:22:34 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA06179 for <aprssig@tapr.org>; Mon, 17 Jun 1996 17:22:26 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-6 #8051) id <01I60WL4Y1GW9YGTS1@ccmail.sunysb.edu> for aprssig@tapr.org; Mon, 17 Jun 1996 18:22:18 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA11408; Mon, 17 Jun 1996 18:21:37 -0400 (EDT)
Date: Mon, 17 Jun 1996 06:21:57 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:2086] Re: GPS Antenna Preamp
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960617102157.0071ae34@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 03:08 PM 6/17/96 -0500, you wrote:

>
> If you're gonna go to the effort to build a preamp for your GPS
> antenna, please avoid multiple problems (or complete loss of utility)
> down the road and fit a good bandpass filter in front of the amp.
> Those little amps are very wide band, and your 2m or 440 or HF rig in
> the vehicle with you is gonna swamp the darned thing every time. I
> face this right now with my amp'd Garmin antenna and others know
> exactly what I'm speaking of...
>

Anyone with a design?

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
http://rock.ess.sunysb.edu:8080/

From 71301.3106@CompuServe.COM Mon Jun 17 17:24:11 1996
Received: from arl-img-5.compuserve.com (arl-img-5.compuserve.com [198.4.7.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA06215 for <aprssig@tapr.org>; Mon, 17 Jun 1996 17:24:05 -0500 (CDT)
Received: by arl-img-5.compuserve.com (8.6.10/5.950515) id SAA03193; Mon, 17 Jun 1996 18:23:40 -0400
Date: 17 Jun 96 18:21:49 EDT
From: Mike Musick <71301.3106@CompuServe.COM>
To: <aprssig@tapr.org>

Subject: Re: GPS Antenna Preamp
Message-ID: <960617222148_71301.3106_FHJ58-2@CompuServe.COM>

Jon, NW6H, opined:

<<[preamp...overload...] I face this right now with my amp'd Garmin antenna and others know exactly what I'm speaking of...>>

One of the funny things about life is that we hear about problems with Situation X, but then rarely hear from those who *don't* have the problem.

I have the Garmin amplified "black mouse" adapted for permanent mount, and run five bands (6m thru 1.2GHz, skipping 900). I've paid a lot of attention to a clean mobile installation, and have never noticed a problem with the GPS losing lock as would be inferred by what you describe. On the other hand, I listen a lot more than talk, which could also be a factor. I don't know your (or the others') particular situation; I will, however, suggest that reliance on mag-mounts is asking for RF in places you don't want it.

Anyway, adding bandpass is a sound idea, but the extra effort entailed should not be requisite to experimentation with the concept. If my plate wasn't already full I'd take the extra moment or so to whip-up some PC artwork with a stripline filter fore and aft of the amplifier for good measure, but that'll have to wait for another day.

...mm/N0QBF

From snabkey@wingsbbs.com Mon Jun 17 17:25:34 1996
Received: from wingsbbs.com ([205.243.16.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA06242 for <aprssig@tapr.org>; Mon, 17 Jun 1996 17:25:25 -0500 (CDT)
Message-Id: <199606172225.RAA06242@tapr.org>
Received: from inertia.net by wingsbbs.com
with SMTP (IPAD 1.1a) id 2292500 ; Mon, 17 Jun 96 17:33:58 UTC
Comments: Authenticated sender is <snabkey@wingsbbs.com>
From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
To: aprssig@tapr.org
Date: Mon, 17 Jun 1996 18:25:14 -0000
Subject: Re: [APRSSIG:2082] MIC-E & Voice Repeaters
X-Confirm-Reading-To: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
X-pmrqc: 1
Return-receipt-to: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.23)

On 17 Jun 96 at 13:43, Mike Musick wrote:

> As an owner and/or maintenance and/or control op on a number of
> repeaters, I've been following the MIC-E developments with interest.

Me too.

> My experience with packet and FM repeaters begs the question: will
> users willingly put-up with MIC-E operators who have less than

> perfect signals? I know that *I* wouldn't!

Do you or your users now "put up with" folks who's signals are less than perfect? From what I have seen at Dayton, the burst from a MIC-E is very short.. Shorter than your average packet because the TXD is gone.

> IOW, I think it's a really bad idea to rely on DCD to mute the
> repeater. The threshold for detection of valid data on most TNC's
> requires a signal that is practically full-quieting. That's not
> real-world.

Wonder if you have heard the signal from a MIC-E module. The burst is not as offensive as 1/2 of the "courtesy" tones I hear on Repeaters already. PLUS my TNC's regularly decode signals in the range of strength in the "comfort zone". I don't plan on muting the Signal at all to start.. This will get people asking questions on what the Burst is.

> There needs to be more work done on the MIC-E/voice repeater
> piggyback concept before it's ready for "prime time". I have three
> suggestions for development paths:
>
> 1) 9600 baud. The brief data burst would just sound like a long
> squelch tail. [Disadvantage - major implementation challenge on all
> but a handful of transceivers.]

Plus, the Signal quality needs to be better than at 1200Baud. The comfort zone will have to be the easy-chair zone.

> 2) A separate purpose-built DSP module instead of using DCD for
> detection of data content. It's not important that the data be
> decoded for muting purposes, just that the presence of data tones is
> recognized. DSP would reliably pull the tones out of the hash.
>

I think the hash won't be as bad as you think.

> 3) Separate transceiver for MIC-E. IOW, a "data channel", something
> we've already developed. If there was a big push here to implement
> MIC-E quickly, that's how I'd do it.

Isn't a seprate Data Channel the same as a stand alone tracker on 145.790 Mhz??

> You'll notice that on #3 I said "transceiver", and that includes a
> full TNC with a means to hold transmit if the channel is busy. I'm
> not happy with the suggestions I've seen about blind transmitters;
> this is very poor Amateur practice and would earn an Official
> Observer notification if I caught it in use.

The MIC-E is NOT blind.. It has simple busy channel monitoring

capabilities that would work wonderfully on a Voice Channel.

> There are a lot of great ideas circulating in the SIG, but we need
> to be much more mindful of how things are going to work when
> operating conditions (or operators!) are less than optimum. We're
> not the only ones on the bands.

>

> ...mike musick/N0QBF

>

> [PS - apologies if a bogus message with the same header appears on
> the sig. My e-mail program has indigestion and claims that it's
> going to send a poorly-worded message that was deleted from the
> queue. Oops.]

>

From seront@seism1.ess.sunysb.edu Mon Jun 17 17:34:29 1996

Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id RAA06621 for <aprssig@tapr.org>; Mon, 17 Jun 1996
17:34:16 -0500 (CDT)

Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-6 #8051)
id <01I60WZMJQ289YGLE6@ccmail.sunysb.edu> for aprssig@tapr.org; Mon,
17 Jun 1996 18:33:59 -0400 (EDT)

Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1)
id AA11434; Mon, 17 Jun 1996 18:33:18 -0400 (EDT)

Date: Mon, 17 Jun 1996 06:33:37 -0400

From: Bernard Seront <seront@seism1.ess.sunysb.edu>

Subject: Re: [APRSSIG:2084] Re: MAR-6 and QST patch ant

X-Sender: seront@seism1.ess.sunysb.edu

To: aprssig@tapr.org

Message-id: <2.2.32.19960617103337.00a81fec@seism1.ess.sunysb.edu>

MIME-version: 1.0

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Content-type: text/plain; charset="us-ascii"

Content-transfer-encoding: 7BIT

>

>Bernard, I'd strongly recommend that you go with the standard packages, and
>NOT the surface mount ones. The SM packages are much more difficult to
>solder unless you have exactly the correct soldering iron, tools, etc. With
>the standard packages, you can drill a "tight-fit" hole, say, 0.082" (I
>*think* thats a #43 drill... don't know, as I'm at work, and don't have a
>drill table here), and drop the pill into it and then solder. Also, this
>places NO stress on the leads. They DO break.

>

That's an excellent idea. I first thought the SMT would be easier to solder
because you don't even have to bend the leads, but the hole for the MAR body
makes me change my mind. Will simplify the layout too: you just need to
insulate a stripline on the ground plane.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
http://rock.ess.sunysb.edu:8080/

From alanwc7r@primenet.com Mon Jun 17 17:36:51 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA06659 for <aprssig@tapr.org>; Mon, 17 Jun 1996 17:36:38 -0500 (CDT)
Received: from primenet.com (root@usr07.primenet.com [198.68.32.17]) by mailhost1.primenet.com (8.7.5/8.7.1) with ESMTP id PAA10852 for <aprssig@tapr.org>; Mon, 17 Jun 1996 15:36:17 -0700 (MST)
Received: from wc7r (ip218.prc.primenet.com [204.212.56.218]) by primenet.com (8.7.5/8.7.3) with SMTP id PAA22712 for <aprssig@tapr.org>; Mon, 17 Jun 1996 15:36:15 -0700 (MST)
Message-Id: <2.2.32.19960617213559.0068a5f8@mailhost.primenet.com>
X-Sender: alanwc7r@mailhost.primenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Jun 1996 15:35:59 -0600
To: aprssig@tapr.org
From: "Alan K. Unangst" <alanwc7r@primenet.com>
Subject: WinPac Help

I know that this is an APRS SIG, however we are all hams and part of the anachronism is packet... at any rate i am getting a GPF when I try to load WinPac. It tell me that packet is causing a GPF in module WPSCR.DRV. I have re loaded it , wiped it out started from scratch and no luck, so I am turning my friends on this SIG. I hope that someone can help, it is a great program, when I can get it to run...

In advance, Thanks & 73.....Alan, WC7R
Alan K. Unangst, WC7R
E-mail: alanwc7r@primenet.com
Packet: WC7R @ KB7FRV

From melliott@ocslink.com Mon Jun 17 18:06:00 1996
Received: from ocslink.com (root@ocslink.com [206.158.123.190]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA07753 for <aprssig@tapr.org>; Mon, 17 Jun 1996 18:05:52 -0500 (CDT)
From: melliott@ocslink.com
Received: from [206.158.123.135] (modem5.ocslink.com [206.158.123.135]) by ocslink.com (8.6.9/8.6.9) with SMTP id SAA15272 for <aprssig@tapr.org>; Mon, 17 Jun 1996 18:07:41 -0500
Date: Mon, 17 Jun 1996 18:07:41 -0500
Message-Id: <199606172307.SAA15272@ocslink.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: BNC connector
To: aprssig@tapr.org
In-Reply-To: <31C5AC37.5B95@concentric.net>

X-Mailer: SPRY Mail Version: 04.10.06.22

Think I forgot to mention....put new connector on and everything is FINE!

73,

```

      / ) |-----| ( \
      / / |      Mark L. Elliott, N9WST      | \ \
      _ ( _ |      e-mail: mellriott@ocslink.com | _ ) _
      (((\ \> | / ) Peoria, Illinois          | ( \ | < / / ))
      (\\ \ \_ / / Central Illinois Balloon Association | \ \_ / / / / )
      \ \ \ /      WWW: http://www.ocslink.com/~mellriott | \ \ /
      \ / \_ /-----| \ \
      / / /

```

From pbunsol@cati.csufresno.edu Mon Jun 17 18:10:28 1996
Received: from CATI.CSUFresno.EDU (caticsuf.cati.csufresno.edu [129.8.100.15]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA07919 for <aprssig@tapr.org>; Mon, 17 Jun 1996 18:10:19 -0500 (CDT)
Received: (pbunsol@localhost) by CATI.CSUFresno.EDU (8.6.10/8.6.5) id QAA10156; Mon, 17 Jun 1996 16:10:37 -0700
Date: Mon, 17 Jun 1996 16:10:37 -0700
From: Pat Bunsold <pbunsol@cati.csufresno.edu>
Message-Id: <199606172310.QAA10156@CATI.CSUFresno.EDU>
X-Mailer: idsmail 4.0
To: aprssig@tapr.org
Subject: Encoded messages
Cc: tuck@pacbell.net

Once again, I plead to the SIG NOT to send these long long attached encoded files! Last time I was flamed into oblivion by the 1 or 2 people who actually wanted these files. Attached files to E-Mail, especially long ones like that GRAN.EXE are only good to those who can decode them. I do not have any way to do this as I have an E-Mail only account that offers no extras. Also, I have to download all the messages at once with no pickychoosy of ones I prefer

not to read. Its all or none! Luckily I didn't print it out! Where do people get the decoders for these strange files?? I have no FTP services so I can't download it unless it is on a local BBS. Downloading 165 messages today ran up close to a Megabyte of text because of that GRAN.EXE file! So, save your Flamethrowers, just don't waste my and most everyone elses disk space with un-decodeable files. Put them in the TAPR FTP section or on a BBS, but PLEASE NO MORE ATTACHED E-MAIL FILES! Thank You

Pat Bunsold WA6MHZ

PS The rest of the SIG data is great and is extremely helpful for APRS addicts like myself! Keep sending out those hints and kinks!

From wnoille@ix.netcom.com Mon Jun 17 18:37:29 1996
Received: from dfw-ix8.ix.netcom.com (dfw-ix8.ix.netcom.com [206.214.98.8]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA09195 for <aprssig@tapr.org>; Mon, 17 Jun 1996 18:37:23 -0500 (CDT)

Received: from LOCALNAME (hun-a11-15.ix.netcom.com [205.184.6.47]) by dfw-ix8.ix.netcom.com (8.6.13/8.6.12) with SMTP id QAA03485 for <aprssig@tapr.org>; Mon, 17 Jun 1996 16:37:05 -0700
Message-ID: <31C6081F.14E1@ix.netcom.com>
Date: Mon, 17 Jun 1996 18:36:31 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2079] Might I suggest...
References: <31C597DB.6231@encore.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dennis Mobley wrote:

>
> Folks,
>
> While I enjoy the on going discussions on the APRS SIG,
> it might be time for moving the SIG to a USENET news group.
>
> My mail box fills quickly with the numerous postings.
>
> Thank you & 73 de Dennis KT4FI-----

Dennis that discussion went on and on about 4 month's or so ago and nobody wanted to move so it's just my opinion your wating your time Hi.

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From rwf@mindspring.com Mon Jun 17 19:22:07 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA11137 for <aprssig@tapr.org>; Mon, 17 Jun 1996 19:22:01 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id UAA16465 for <aprssig@tapr.org>; Mon, 17 Jun 1996 20:21:53 -0400

Message-Id: <2.2.32.19960618002238.009b3a00@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Mon, 17 Jun 1996 20:22:38 -0400

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: Re: [APRSSIG:2092] Re: Might I suggest... [USENET Group]

>>Dennis Mobley wrote:

>>>

>>> Folks,

Message-Id: <v02140b01adebacbffd71@[199.0.52.50]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 17 Jun 1996 20:53:06 -0400
To: aprssig@tapr.org
From: quarry@q.continuum.net (Chip)
Subject: Re:[APRSSIG:2079] Might I suggest...

At 14:05 6/17/96, you wrote:

> While I enjoy the on going discussions on the APRS SIG,
> it might be time for moving the SIG to a USENET news group.

I think we covered this once before. I for one am extremely against this. In the case of email it is active, I just sit and the mail comes to me when I check. With a newsgroup it is passive, I have to do the work of checking and is less friendly with checking from remote locations via dumb terminals (although not impossible).

> My mail box fills quickly with the numerous postings.

As far as I know there is no limit on how much mail you can receive. With several hundred (~700) messages in my mailbox it was still less than a Meg, my web stuff is ~1.5MB, I am allowed around 8, so that leaves me room for ~4500 messages (on average). Since I generally get 100-150 per day (lets say 200 for conservatism like any good nuke), 4500 / 200 ~ 22. I could go 22 days without reading my mail ... might make for a long time to read, but it would be better then coming to find out the news server only carried 14 days worth ...

Lets lay this baby to rest, if you would like an APRS newsgroup feel free to start one, in the meantime I would prefer to have Bob/Mark/Keith (not to mention Joe A.) stay right here and continue to amaze me with their wit and wisdom!

In short (don't take it personally), feel free to leave if you choose ...

Chip Griffin - President of Thames River Apple Users Group (TRAUG)
BBS System Operator of The Quarry (860-889-6427)
- eMail to: quarry@q.continuum.net (alternate: emmet2@aol.com)

"The ultimate measure of a man is not
where he stands in moments of comfort
and convenience but where he stands at
times of challenge and controversey"
-- Martin Luther King Jr.

From amirault@laraby.tiac.net Mon Jun 17 20:17:21 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id UAA12864 for <aprssig@tapr.org>; Mon, 17 Jun 1996
20:17:13 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id

VAA04069; Mon, 17 Jun 1996 21:17:05 -0400
Date: Mon, 17 Jun 1996 21:17:05 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2087] Re: Might I suggest...
In-Reply-To: <199606172007.PAA20889@solar.cs.tamu.edu>
Message-ID: <Pine.BSF.3.91.960617211542.3652F-100000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Jun 1996, Gerald J Creager wrote:

> >
> > While I enjoy the on going discussions on the APRS SIG,
> > it might be time for moving the SIG to a USENET news group.
>
> Nope. I disagree. I do *NOT* have time to sift thru the USENET drivel, nor
> the inclination to beat back yet another Krazy Kevin magazine attack. We've
> discussed this before, and I still think this is a bad idea.

How does putting *this* sig on Usenet make it drivel?

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From siggraph@dgp.toronto.edu Mon Jun 17 20:53:47 1996
Received: from explorer.dgp.toronto.edu (explorer.dgp.toronto.edu [128.100.1.129])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA14355 for <aprssig@tapr.org>; Mon,
17 Jun 1996 20:53:44 -0500 (CDT)
Received: from pc486 ([128.100.26.15]) by explorer.dgp.toronto.edu with SMTP id
<144013>; Mon, 17 Jun 1996 21:51:34 -0400
Message-ID: <31C5D433.6653@dgp.toronto.edu>
Date: Mon, 17 Jun 1996 17:54:59 -0400
From: Greg Blair <siggraph@dgp.toronto.edu>
Reply-To: siggraph@dgp.toronto.edu
Organization: ACM Toronto SIGGRAPH Professional Chapter
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2074] Re: JAVA APRS
References: <199606171727.MAA18508@solar.cs.tamu.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gerald J Creager wrote:

>
> Going to Java makes sense, and will make for some snappy APRS-esque web sites.
> I'd still like to see a port to OS/2, but I don't suppose it's going to

OK, who is the JAVA hacker out there?

How do you open serial ports in JAVA on 95 and MAC?

From w4wwwq@juno.com Mon Jun 17 21:39:01 1996
Received: from x3.boston.juno.com (x3.boston.juno.com [205.231.100.22]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA15933 for <aprssig@tapr.org>; Mon, 17 Jun 1996 21:38:56 -0500 (CDT)
Received: (from w4wwwq@juno.com) by x3.boston.juno.com (queuemail) id WAB23815; Mon, 17 Jun 1996 22:38:28 EDT
To: aprssig@tapr.org
Date: Mon, 17 Jun 1996 22:20:12 PST
Subject: I suggest F R E E e-mail instead
Message-ID: <19960617.223545.13727.3.W4WWWQ@juno.com>
References: <1.5.4.32.19960617211633.00686f2c@160.10.4.2>
X-Mailer: Juno 1.00
X-Juno-Line-Breaks: 0-1,3-4,6-9,11,14-15,18-30
From: w4wwwq@juno.com (Peter J Lascell)

I also DISAGREE with the move to a USENET.

I don't have access to the news groups and the rest of Internet, but I do have FREE e-mail access to the world via JUNO.COM.

If anyone is interested in FREE e-mail, with 1-800 access also FREE, look at :

<http://www.juno.com>

I don't have their 1-800 # for free software, but understand it is on their WEB page.

Or you can send a message to "signup@juno.com", subject: "Give Juno To A Friend" and in the text enter the name and (snail) mail address where to send the software.

As far as the quantity and quality of the APRSSIG messages, I find the delete key works very well. I put faith in the SUBJECT line being correct. If it doesn't interest me it probably won't get read.

Pete W4WWWQ

=====
>At 03:30 PM 6/17/96 -0500, you wrote:
>>Dennis Mobley sez:
>>>
>>> Folks,
>>>
>>> While I enjoy the on going discussions on the APRS SIG,
>>> it might be time for moving the SIG to a USENET news group.

From n2czf@magg.net Mon Jun 17 22:45:45 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id WAA17800 for <aprssig@tapr.org>; Mon, 17 Jun 1996 22:45:35 -0500 (CDT)
Received: from Cybergate (wpb-186.magg.net [205.218.112.186]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id XAA04691 for <aprssig@tapr.org>; Mon, 17 Jun 1996 23:37:07 -0400

Date: Mon, 17 Jun 1996 23:37:07 -0400
Message-Id: <199606180337.XAA04691@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: FL APRS Web Page is up

The Florida APRS Web Page is finally up and in operation. Nothing special yet, I had a lot to learn in 4 days but it is a start. Any suggestions please e-mail me and I will do my best possible. BTW let me know if you can click on and send me mail from the page. Every time I try I get nowhere but I think it is my browser that has a problem.
Now PART TWO!! off to get the FLSIG in operation!

URL ADDRESS:

<http://www.magg.net/~n2czf/aprs.html>
73's Rich N2CZF
n2czf@magg.net
Jupiter Farms Florida EL96

From ku0g@sprynet.com Mon Jun 17 23:00:28 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA18279 for <aprssig@tapr.org>; Mon, 17 Jun 1996 23:00:15 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.138.49] (ad11-049.compuserve.com [199.174.138.49]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA11187 for <aprssig@tapr.org>; Mon, 17 Jun 1996 20:58:04 -0700
Date: Mon, 17 Jun 1996 20:58:04 -0700
Message-Id: <199606180358.UAA11187@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2086] Re: GPS Antenna Preamplifier
To: aprssig@tapr.org
In-Reply-To: <199606172005.PAA00143@tapr.org>
X-Mailer: SPRY Mail Version: 04.00.06.21

Just a follow-up on the posting about 2 meter and 440 rigs swamping the GPS receivers...I spoke with Garmin and their recommendation is to simply move the GPS antenna to provide a better degree of separation!

I was having this same problem and moved the antenna SIX INCHES and totally cured the swamping effect! I haven't experienced the swamp effect using the Blackjack antenna and won't say that swamping is not a problem with it.

I WOULD appreciate any/all reports from users of the Blackjack on any swamping that occurs in using this antenna! I am very serious about making the Blackjack a very reliable unit and want to include as much operational information and

tips in the documents that we send out with each unit!

Thanks for the input!!! Please reply via PRIVATE MAIL...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
Email: ku0g@sprynet.com

From N5RKN@aol.com Mon Jun 17 23:39:02 1996
Received: from emout12.mail.aol.com (emout12.mx.aol.com [198.81.11.38]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA19663 for <aprssig@tapr.org>; Mon, 17 Jun 1996 23:38:59 -0500 (CDT)
From: N5RKN@aol.com
Received: by emout12.mail.aol.com (8.6.12/8.6.12) id AAA12472 for aprssig@tapr.org; Tue, 18 Jun 1996 00:38:57 -0400
Date: Tue, 18 Jun 1996 00:38:57 -0400
Message-ID: <960618003856_558482697@emout12.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2079] Might I suggest...

Here...here... I'm in full agreement with the move to a USNet. Though I'm appreciative of the forwarded e-mail, I too am tired of dozens of msgs filling my mailbox with each connect. Let's move this to a better forum.
Robert N5RKN

From brahn@erinet.com Tue Jun 18 00:08:50 1996
Received: from in-mail.erinet.com (in-mail.erinet.com [198.6.245.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA24450 for <aprssig@tapr.org>; Tue, 18 Jun 1996 00:08:45 -0500 (CDT)
Received: from mail1.erinet.com by in-mail.erinet.com (8.6.12/EriNet) id BAA09411; Tue, 18 Jun 1996 01:10:35 -0400
Message-Id: <199606180510.BAA09411@in-mail.erinet.com>
To: aprssig@tapr.org
To: rahnba@aa.wpafb.af.mil
Priority: Low
Acknowledge-To: Bruce Rahn <brahn@erinet.com>
X-Mailer: Post Road Mailer (Green Edition Ver 1.99a)
Date: Tue, 18 Jun 1996 01:08:23 EDT
From: Bruce Rahn <brahn@erinet.com>
Reply-To: Bruce Rahn <brahn@erinet.com>
Subject: Re: [APRSSIG:1930] Davis Instruments Programmer's Reference Disk

Forwarding note from: aprssig@tapr.org Thu, 13 Jun 1996 17:25:51 -0500 (CDT)

I have been able to convince Davis Instruments to release their Programmer's Reference Disk at NO CHARGE. The information is available either from their LLBBS (510- 293-3546) or their internet address (<http://www.davisnet.com>)

Davis is now committed to Amateur radio, and is proving it by this FREE OFFER. There is only VERY LIMITED personal support, since they are offering

it FREE, so do not expect to get unlimited phone support from them.

I hope that this is helpful to anyone who wants to "tinker" with interfaces. I have been able to put together a complete comparison of the Davis Weather system and the Peet Brothers Ultimeter system. I will try and get it out to the SIG over the weekend, so that an informed decision can be reached, if you are considering the purchase of a weather system.

Hope to see all of you "On the Map".

73, Alan, WC7R
Alan K. Unangst, WC7R
E-mail: alanwc7r@primenet.com
Packet: WC7R @ KB7FRV

```
*****
*                                     *
*          Bruce Rahn  WB9ANQ        *
*                                     *
*          brahn@erinet.com          *
*          wb9anq@amsat.org          *
*          74017,2454 (CI$)         *
*                                     *
*****
```

From jagrelo@cris.com Tue Jun 18 01:51:46 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id BAA29892 for <aprssig@tapr.org>; Tue, 18 Jun 1996
01:51:41 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/11 2.45))
id CAA15967; Tue, 18 Jun 1996 02:51:12 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059051.concentric.net [206.83.77.51])
by darius.cris.com (8.7.3)
id UAA00388; Mon, 17 Jun 1996 20:42:31 -0400 (EDT)
Message-ID: <31C626C5.3176@concentric.net>
Date: Mon, 17 Jun 1996 20:47:17 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2085] Re: JAVA APRS
References: <199606171924.PAA10396@bridge.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Dimse wrote:

> Alright, since someone mentioned it, I will admit it, this is exactly my
> plan. Check out
>
> <<http://www.bridge.net/~sdimse/javAPRS.html>>

Very slick Steve,

I haven't had time to learn JAVA yet, but I would love to eventually add something like this to our web site, using the DFjr of coarse, this way people could actually see what the DFjr/GPS/APRS is capable of before making a purchase.

Keep up the good work!

73 De Joe N200C

XX

Agrelo Engineering
Joe Agrelo/President
(518)381-1057
(518)381-1058

E-Mail: Jagrelo@concentric.net

WEB: <http://home.navisoft.com/agrelo/ae.htm>

Designer & Manufacturer of intelligent microprocessor
based Doppler and talking products

Experts in Microchip & Motorola processors

XX

From ve4mjm@draco.bison.mb.ca Tue Jun 18 07:02:53 1996

Received: from electra.cc.umanitoba.ca (root@electra.cc.umanitoba.ca
[130.179.16.23]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA07780 for
<aprssig@tapr.org>; Tue, 18 Jun 1996 07:02:50 -0500 (CDT)

Received: from mira.cc.umanitoba.ca

(root@mira.cc.umanitoba.ca [130.179.16.8]) by
electra.cc.umanitoba.ca (8.7.1/8.7.1) with SMTP id GAA11265
for <aprssig@tapr.org>; Tue, 18 Jun 1996 06:19:52 -0500 (CDT)

Received: by mira.cc.umanitoba.ca (5.x/SMI-SVR4)
id AA08702; Tue, 18 Jun 1996 05:34:46 -0500

>Received: by bison.mb.ca (Smail3.1.28.1 #14)
id m0uVq0T-0005moC; Tue, 18 Jun 96 01:55 GMT

Received: from bison by mira.cc.umanitoba.ca; Tue, 18 Jun 1996 05:34 CDT

Received: by bison.mb.ca (Smail3.1.28.1 #14)
id m0uVq0T-0005moC; Tue, 18 Jun 96 01:55 GMT

Received: by draco.bison.mb.ca id AA24162

(5.67b/IDA-1.5 for aprssig@tapr.org); Mon, 17 Jun 1996 23:06:23 -0500

Date: Mon, 17 Jun 1996 23:06:23 -0500 (CDT)

From: Michael Markmann <ve4mjm@draco.bison.mb.ca>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2062] Re: DFjr & APRS

In-Reply-To: <2.2.16.19960617103740.242f54e0@popd.ix.netcom.com>

Message-Id: <Pine.LNX.3.91.960617225522.22947B-100000@draco.bison.mb.ca>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Jun 1996, Steve Hall wrote:

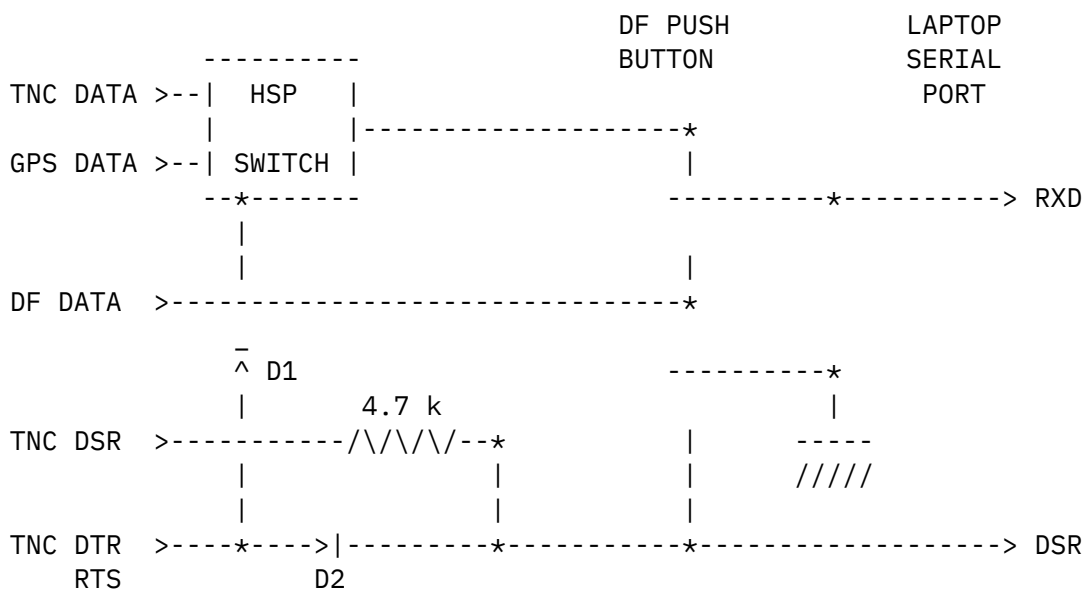
```
> How do I configure APRS to look for GPS and DF data on the same serial port???
>
> For now I will NOT have a TNC hooked up. Here is my setup.
>
>
> -----
> | GPS | -----
> ----- | NC
> --- MOMENTARY SPDT
> ---o----- | Laptop |
> ---
> ----- | NO
> | DFj1 | -----
> -----
>
```

This is taken from the DF.TXT file in the APRS\README directory.

-----cut here-----

DIRECTION FINDING IN DF SINGLE PORT MODE!

Since we have just about concluded that you need a manual push button for the operator anyway (thanks Joe Moel, K0OV), it becomes trivial for us to add the DF serial data to the existing shared GPS/TNC/HSP serial port. The following schematic shows how the serial data from all three devices is switched and how a second pair of contacts is used to alert APRS, when the DF data is connected.



The second pole of the DPDT push button not only grounds the DSR input to the PC so that it knows to begin parsing DF data, but also grounds the TNC DTR (RTS) input so that the TNC holds off any packet data until after the DF switch is released. Notice that two diodes, D1 and D2 isolate the TNC DTR (RTS) line so that either the HSP or the DFSP can pull the line to ground without affecting the other. Some TNC's (PACCOMM) use the RTS line instead of the DTR line for holding off TNC data, so check your TNC manual. The TNC DSR line is only used to provide a source of +V. APRS distinguishes between the TNC and GPS data using the normal HSP logic. Remember to provide the DSR or other source of +V for the HSP circuit.

If you are not using the TNC, leave out the diodes, the connection to the TNC's DSR, and the resistor. Connect the GPS to the side of the DF Push Button that would normally go to the HSP board. This should work great.

Good luck and I'm definately going to buy one of those DFjr's when I can muster up the funds!

Michael

--

Michael Markmann VE4MJM |
ve4mjm@draco.bison.mb.ca (Internet) | ERROR! REALITY.SYS Corrupted!
VE4MJM@VE4KV.#WPG.MB.CAN.NA (AX.25) | Reboot UNIVERSE.EXE!
Hobbies: Electronics, Amateur Radio, Computers, Model Trains, ...

From sdimse@bridge.net Tue Jun 18 07:06:10 1996

Received: from relay6.UU.NET (relay6.UU.NET [192.48.96.16]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA08071 for <aprssig@tapr.org>; Tue, 18 Jun 1996 07:06:08 -0500 (CDT)

Received: from bridge.net by relay6.UU.NET with ESMTP

(peer crosschecked as: newworld.bridge.net [204.253.4.4])

id QQauqa18061; Tue, 18 Jun 1996 08:06:06 -0400 (EDT)

Received: from [204.253.4.91] (ppp-mia2-91.bridge.net [204.253.4.91]) by bridge.net (8.7.5/8.7.3) with SMTP id IAA29002 for <aprssig@tapr.org>; Tue, 18 Jun 1996 08:03:19 -0400 (EDT)

Message-Id: <199606181203.IAA29002@bridge.net>

Subject: Re: [APRSSIG:2078] Re: JAVA APRS

Date: Tue, 18 Jun 96 08:06:09 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>The major problem with Java would probably be the "unprivledged" nature of
>Java. I'm assuming that Java blocks access to the com ports, et al, since
>it could be used for malicious purposes. So, it would probably not float.
>

This is a big subject, and depends very much on the specific
implementation of Java and the OS involved. Most Javas allow access to

local files when a Java program is run as an application, rather than an applet (as within a browser). In unix you operate on the hardware as a filename beginning with '/dev'. Other OSes have different methods. It will take a while for all this to get settled out. In any event, it is definitely possible to call native code from a Java application, so it would be easy to write a short C procedure in each OS that opens a comm port, and sends the data back and forth. This is the method I am planning to use for javAPRS.

Steve K04HD

From sdimse@bridge.net Tue Jun 18 07:13:13 1996

Received: from relay7.UU.NET (relay7.UU.NET [192.48.96.17]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA08130 for <aprssig@tapr.org>; Tue, 18 Jun 1996 07:13:12 -0500 (CDT)

Received: from bridge.net by relay7.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQauqa17117; Tue, 18 Jun 1996 08:13:10 -0400 (EDT)

Received: from [204.253.4.91] (ppp-mia2-91.bridge.net [204.253.4.91]) by bridge.net (8.7.5/8.7.3) with SMTP id IAA29359 for <aprssig@tapr.org>; Tue, 18 Jun 1996 08:10:23 -0400 (EDT)

Message-Id: <199606181210.IAA29359@bridge.net>

Subject: Re: [APRSSIG:2090] Re: JAVA APRS

Date: Tue, 18 Jun 96 08:13:13 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>But how to transform this java application into an applet application?

>A problem arises : an applet cannot use native functions to access

>specific CLIENT-side device such as its serial port !

>

>Is anybody aware of that?

I am. Think about how you want to use javAPRS. To me, the major use is to allow an APRS map window to pop up on a web page, showing either live or archived data. Do you really want to run APRS all the time within Netscape? Didn't think so!

To show live data, you need a server application that can accept connects via TCP/IP, and send out the data to clients as it comes in. That program exists, it's called SerialServer, and I wrote it. It only runs on the Mac, so someone else will have to write one for windows if windows users are to be able to show their data live.

Steve K04HD

From wnoille@ix.netcom.com Tue Jun 18 07:22:54 1996

Received: from dfw-ix2.ix.netcom.com (dfw-ix2.ix.netcom.com [206.214.98.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA08489 for <aprssig@tapr.org>; Tue, 18 Jun 1996 07:22:49 -0500 (CDT)

Received: from LOCALNAME (hun-a11-01.ix.netcom.com [205.184.6.33]) by dfw-

ix2.ix.netcom.com (8.6.13/8.6.12) with SMTP id FAA20545 for <aprssig@tapr.org>;
Tue, 18 Jun 1996 05:22:07 -0700
Message-ID: <31C6BB6D.54B7@ix.netcom.com>
Date: Tue, 18 Jun 1996 07:21:33 -0700
From: William Nolle <wnolle@ix.netcom.com>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2096] Re: GPS Antenna Preamp
References: <2.2.32.19960617102157.0071ae34@seism1.ess.sunysb.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bernard Seront wrote:

>
> At 03:08 PM 6/17/96 -0500, you wrote:
> >
> > If you're gonna go to the effort to build a preamp for your GPS
> > antenna, please avoid multiple problems (or complete loss of utility)
> > down the road and fit a good bandpass filter in front of the amp.
> > Those little amps are very wide band, and your 2m or 440 or HF rig in
> > the vehicle with you is gonna swamp the darned thing every time. I
> > face this right now with my amp'd Garmin antenna and others know
> > exactly what I'm speaking of...
> >

> -----

> Bernard Seront, seront@seism1.ess.sunysb.edu

> <http://rock.ess.sunysb.edu:8080/>-----

Sorry Bernard but i have to disagree with the above statement that it will swamp the darned thing everytime!. I have NEVER run into this problem and i have been running GPS for several years now. I have both a dual band antenna on my pickup for 2m/440 hooked to a Yaesu FT-5100. I used to run an external antenna with my GPS but have now taken it down and am running it just setting on the dashboard. Either way i never have had that problem. NOT KNOCKING the Garmin because i think it's a great gps for the price, but you know the old saying "You only gets what you pay for". My Magellan NAV-5000DX has NNEVER lost lock while using my FT-5100 which is for the most part TXing in the 50watt mode, and just below that is my Alinco DR-1200 for the GPS tracker.

--

Bill KE4EER

wnolle@ix.netcom.com

ke4eer@amsat.org

<http://www.netcom.com/~wnolle>

Subscribe or Unsubscribe to the APRS SIG from my web page.

From dmobley@encore.com Tue Jun 18 07:35:01 1996

Received: from ns.encore.COM (ns.encore.COM [129.91.131.22]) by tapr.org

(8.7.5/8.7.3/1.9) with SMTP id HAA09031 for <aprssig@tapr.org>; Tue, 18 Jun 1996 07:34:32 -0500 (CDT)

Received: from rt-tss.encore.COM by ns.encore.COM with SMTP

id AA14226 (5.67/UK-2.1-950411); Tue, 18 Jun 96 12:34:49 GMT

Sender: dmobley@encore.com

Message-Id: <31C6A2A5.500F@encore.com>

Date: Tue, 18 Jun 1996 08:35:49 -0400
From: Dennis Mobley <dmobley@encore.com>
Organization: Encore Computor Corp
X-Mailer: Mozilla 3.0b4 (X11; I; OSF1 V3.2 alpha)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2092] Re: Might I suggest... [USENET Group]
References: <1.5.4.32.19960617211633.00686f2c@160.10.4.2>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joe DeVille wrote:

>
> At 03:30 PM 6/17/96 -0500, you wrote:
> >Dennis Mobley sez:
> >>
> >> Folks,
> >>
> >> While I enjoy the on going discussions on the APRS SIG,
> >> it might be time for moving the SIG to a USENET news group.
>
> I also disagree. The discussions here have been INSTRUMENTAL in my
> involvement in APRS. Since my internet access comes through my educational
> institution, I am limited to the newsgroups they subscribe to, which do not
> include any of the REC groups.
>
> I wonder how many others are affected by similar problems.
> -----
> Joe DeVille, KC4IWE Primary address: jwdstu@westga.edu
> State University of Secondary address: bm160@freenet.carleton.ca
> West Georgia Memberships/Affiliations: American Radio Relay League
> Carrollton, GA USA Amateur Radio Emergency Service, SKYWARN, Red Cross
> Disaster Services, Atlanta Olympic Band
> Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA
> ----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

Joe I understand...

>From the other side of the coin, I too find "most" of the information
informative but 109 APRSIGs posting a weekend is a bit much.
There are those of us that use EMail for professional reasons and
sorting out the APRS from the business mail get to be a bit much.

Question to the SIG manager, one solution would be an archive that
could be access via the WWW.

Does such a archive exist?

This might solve both problems.

73 de Dennis KT4TI

--

Dennis H Mobley
Principal Application Specialist

Encore Computer Corporation
6901 W Sunrise Blvd (MS 708)

Real Time Technical Support
dmobley@encore.com Email
www.encore.com

Fl. Lauderdale, Fl. 33313-4499
954.797.5771 Office/Vmail
954.797.5410 Fax

From ku0g@sprynet.com Tue Jun 18 07:41:14 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA09052 for <aprssig@tapr.org>; Tue, 18 Jun 1996 07:40:11 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.152.8] (dd10-008.compuserve.com [199.174.152.8]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id FAA10559 for <aprssig@tapr.org.>; Tue, 18 Jun 1996 05:37:54 -0700
Date: Tue, 18 Jun 1996 05:37:54 -0700
Message-Id: <199606181237.FAA10559@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Thanks!
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

I got the tracker working FRIDAY NIGHT. Please don't send any more mail on getting it to work, folks! I appreciate all the help!!!

Best 73,

Jim Duncan, KU0G

APRS--Kansas City Coordinator

Email: ku0g@sprynet.com

From mwalker@interlog.com Tue Jun 18 07:41:38 1996
Received: from smtp.interlog.com (root@smtp.interlog.com [198.53.145.6]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA09070 for <aprssig@tapr.org>; Tue, 18 Jun 1996 07:41:32 -0500 (CDT)
Received: from gold.interlog.com (root@gold.interlog.com [198.53.145.2]) by smtp.interlog.com (8.7.4/8.7.4) with ESMTP id IAA13982 for <aprssig@tapr.org>; Tue, 18 Jun 1996 08:34:46 -0400 (EDT)
Received: from INTERLOG.COM (mwalker.interlog.com [199.212.152.131]) by gold.interlog.com (8.6.10/8.6.10) with SMTP id IAA04418 for <aprssig@tapr.org>; Tue, 18 Jun 1996 08:41:19 -0400
Message-Id: <199606181241.IAA04418@gold.interlog.com>
From: "Mike Walker" <mwalker@interlog.com>
To: "APRSSIG" <aprssig@tapr.org>
Date: Tue, 18 Jun 96 08:40:03 -0400
Reply-To: "Mike Walker" <mwalker@interlog.com>
Priority: Normal
X-Mailer: Mike Walker's Registered PMMail 1.5
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Subject: winaprs and os/2 (or os2aprs)

I would be in favour of an os/2 version.

I guess code warrier will not port directly to os/2.

It might be easier to recompile the dos version so it would run in an os/2 window. Under a Dos Box, it does steal alot of system resources.

Just my vote.

cheers...mike

(now, is someone has a os/2 driver for an ATvantage-X/X4P 4 port serial card, it would really make my day.

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From wa4dsy@wa4dsy.radio.org Tue Jun 18 08:40:44 1996
Received: from smtp-gw01.ny.us.ibm.net (smtp-gw01.ny.us.ibm.net [165.87.194.252])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA10645 for <aprssig@tapr.org>; Tue,
18 Jun 1996 08:40:24 -0500 (CDT)
Received: (from uucp@localhost) by smtp-gw01.ny.us.ibm.net (8.6.9/8.6.9) id
NAA49261 for < aprssig@tapr.org>; Tue, 18 Jun 1996 13:40:18 GMT
Message-Id: <199606181340.NAA49261@smtp-gw01.ny.us.ibm.net>
Received: from wa4dsy-1.wa4dsy.radio.org(206.28.196.146) by smtp-
gw01.ny.us.ibm.net via smap (V1.3mjr)
id smaYFsDmb; Tue Jun 18 13:40:07 1996
Date: Tue, 18 Jun 96 09:40:02 EDT
From: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
Reply-To: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
To: aprssig@tapr.org
X-Mailer: Dale Heatherington's PMMail v1.1
Subject: Re: [APRSSIG:2085] Re: JAVA APRS

On Mon, 17 Jun 1996 14:39:43 -0500 (CDT) you wrote:

>>Perhaps porting APRS to Java might make more sense
>>than porting to OS/2. The next version of OS/2, code named
>>Merlin, will have Java built into the OS.
>>See <http://www.austin.ibm.com/pspinfo/os2.html> for details.
[deleted]

>Alright, since someone mentioned it, I will admit it, this is exactly my
>plan. Check out
>
><<http://www.bridge.net/~sdimse/javAPRS.html>>

It seems to be down :-(...no response to ping.

>
>There are a few problems with running a full-blown version of APRS this

>way, mostly speed. For now, Java is an interpreted language, so things
>run slowly. Eventually the Java interpreters will support "just in time"
>compilation, which will improve things. I do not intend to produce a
>fully functional version of APRS that competes with dos/win/MacAPRS,
>rather a set of applets designed for specific needs.

That's a good start. Is this going to be shareware, freeware or what?

>
>So far, my program displays dosAPRS maps, and can plot positions. It also
>can read a stream of incoming GPS data and parse out the position data.
>I've only had the development environment for a couple of weeks, so
>javAPRS is still in its infancy. Stay tuned for further details...

>73 de Steve K04HD

Thats good progress given the short time you've had. I will
"stay tuned". OS/2 Java won't be publicly released
for at least 3 months so I can't run it now anyway. I could
download the Java beta now but I really don't don't want to deal
with the bugs ;-)

Dale Heatherington, WA4DSY
e-mail - wa4dsy@wa4dsy.radio.org
Web page - www.wa4dsy.radio.org
This message brought to you by OS/2 Warp Connect.

From crawford@vt8200.vetmed.lsu.edu Tue Jun 18 09:22:44 1996
Received: from vt8200.vetmed.lsu.edu (vt8200.vetmed.lsu.edu [130.39.129.64]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA11735 for <aprssig@tapr.org>; Tue, 18
Jun 1996 09:22:16 -0500 (CDT)
Date: Tue, 18 Jun 1996 09:21:44 -0500
Message-Id: <96061809214393@vt8200.vetmed.lsu.edu>
From: crawford@vt8200.vetmed.lsu.edu (Dr. Pat M Crawford - Louisiana State
University (SVM))
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2099] Re: MAR-6 and QST patch ant
X-VMS-To: SMTP%"aprssig@tapr.org"

From parker@rincon.com Tue Jun 18 09:39:51 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTMP id JAA12294 for <aprssig@tapr.org>; Tue, 18
Jun 1996 09:38:54 -0500 (CDT)
Received: from primenet.com (root@usr5.primenet.com [198.68.32.15]) by
mailhost1.primenet.com (8.7.5/8.7.1) with ESMTMP id HAA28143 for
<aprssig@tapr.org>; Tue, 18 Jun 1996 07:38:28 -0700 (MST)
Received: from primenet.primenet.com (ip134.tus.primenet.com [198.68.42.134]) by
primenet.com (8.7.5/8.7.3) with SMTP id HAA05351 for <aprssig@tapr.org>; Tue, 18
Jun 1996 07:38:23 -0700 (MST)
Message-ID: <31C6BFAD.5F86@rincon.com>

Date: Tue, 18 Jun 1996 07:39:41 -0700
From: Mike Parker <parker@rincon.com>
Organization: Rincon Research Corp.
X-Mailer: Mozilla 2.0 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2087] Re: Might I suggest...
References: <199606172007.PAA20889@solar.cs.tamu.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gerald J Creager wrote:

>
> Dennis Mobley sez:
> >
> > Folks,
> >
> > While I enjoy the on going discussions on the APRS SIG,
> > it might be time for moving the SIG to a USENET news group.
>
> Nope. I disagree. I do *NOT* have time do sift thru the USENET drivel, nor
> the inclination to beat back yet another Krazy Kevin magazine attack. We've
> discussed this before, and I still think this is a bad idea.
>
> > My mail box fills quickly with the numerous postings.
>
> Mine does, too.

Mine does too.

I wasn't going to reply to the original posting and add to the mail in you mail boxes because I thought everyone would agree. Since I was wrong, here goes.

Unfortunately, I missed the previous discussion Gerry referred to.

This is probably because I have to turn off the SIG when I leave for an extended trip to avoid problems with my mail box overflowing.

The vast majority of my E-mail is more time-critical and relavent to my day-to-day life than the letters from this SIG. It would be nice not to have to sort through the SIG E-mail when I don't have time or inclination.

I don't understand the comments about USENET drivel. I only participate regularly in one USENET group, rec.aviation.soaring, and I see little difference between the drivel level. The main difference is that my news reader helps me organize better (what is drivel to me is probably important to someone else).

Also, having never had to beat back a "Krazy Kevin magazine attack", I don't know what one/it is.

Just my opinion.

73,
Mike, KT7D

From alan@watsun.cc.columbia.edu Tue Jun 18 10:20:08 1996
Received: from manila.cc.columbia.edu (manila.cc.columbia.edu [128.59.39.200]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA13282 for <aprssig@tapr.org>; Tue, 18 Jun 1996 10:20:02 -0500 (CDT)
Received: (from alan@localhost) by manila.cc.columbia.edu (8.7.5/8.7.3) id LAA24328 for aprssig@tapr.org; Tue, 18 Jun 1996 11:19:42 -0400 (EDT)
Date: Tue, 18 Jun 96 11:19:42 EDT
From: Alan Crosswell <alan@watsun.cc.columbia.edu>
To: aprssig@tapr.org
Subject: Torch passed through NYC, NY last night
Message-ID: <CMM.0.90.4.835111182.alan@manila.cc.columbia.edu>

Too bad APRS is not tracking the Olympic Torch. Qualcomm still has it in Albany, where it was scheduled to be two days ago. I know for a fact it went down Broadway in New York City last night because my friends all went out and watched the rolling Coca-Cola/BMW commercial go by -- oh yeah, and hidden somewhere among the encircling motorcycle escort was the guy with the torch. I had to miss it 'cuz I was VEing (1 new Extra, 1 Tech and 1 Tech Plus). So, here's my contribution, the torch's current position (as of 8:45 last night) is 40:48:33 N / 73:57:38 W +/- one day's running, which puts it somewhere in New Jersey right now, but still closer than Albany!

73 de Alan N2YGK

[in New York County, NY, where we proudly support diversity and freedom of lifestyle choice and don't boycott the Olympics. Althou

From barrettd@crpl.cedar-rapids.lib.ia.us Tue Jun 18 10:20:39 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us [198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA13301 for <aprssig@tapr.org>; Tue, 18 Jun 1996 10:20:21 -0500 (CDT)
Received: from ppp-102.crpl.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US with SMTP;
Tue, 18 Jun 1996 10:18:23 -0500 (CDT)
Received: by ppp-102.crpl.cedar-rapids.lib.ia.us with Microsoft Mail
id <01BB5CFF.C9D4E850@ppp-102.crpl.cedar-rapids.lib.ia.us>; Tue, 18 Jun 1996 10:20:35 -0500
Message-ID: <01BB5CFF.C9D4E850@ppp-102.crpl.cedar-rapids.lib.ia.us>
From: "David E. Barrett" <barrettd@crpl.cedar-rapids.lib.ia.us>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:2091] Re: JAVA APRS
Date: Tue, 18 Jun 1996 10:13:41 -0500
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="---- =_NextPart_000_01BB5CFF.C9D66EF0"

----- =_NextPart_000_01BB5CFF.C9D66EF0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

I find this Java topic to be highly stimulating, and it never ceases to =
amaze me how imaginative
the people on this sig are. Either everyone here has overly active =
thought process' or to much idle time
on their hands. So let me see if I can add to all those synapse flying =
around those unreal net's.

Have you heard about ActiveX? I know how everyone loves Microsoft and =
they way they get into
everything. ActiveX is MS's answer to Java and with the Beta of Internet =
Explorer 3.0 available it look's as
if Netscape has some stiff competition. I've encoded some snippet's =
about ActiveX from a review I found
on C/Net.

ActiveX works as a kind of framework that runs small programs and can =
control the way you interact with the computer. This architecture =
permits Web pages and the browser itself to be highly customizable. =
These new objects are small, since they don't require a traditional =
browser to run, and nimble, so you'll see better overall performance =
when using your browser.=20

Over time, more software applications will take advantage of ActiveX. =
That's because ActiveX components are available to the entire operating =
system, so you'll see more programs become Internet-savvy over the =
coming months. Software developers can write one set of code for =
productivity software--and easily snap in Internet features. Internet =
Explorer 3.0's ActiveX core allows the browser to become a highly =
customizable and programmable interface for the Internet, intranets, =
multimedia titles, and your own work. Here are the parts of ActiveX you =
need to know about.=20

ActiveX Controls: These are small programs embedded in Web pages, and =
they can control other programs on your computer. The ActiveX version of =
OLE controls are stripped down and more lightweight than previous =
incarnations of Microsoft's OLE technologies.=20

ActiveX Scripting: Scripting supports both JavaScript and VBScript =
(Virtual Basic). Scripting is like programming, but scripts are included =
within HTML pages to perform simple tasks and to link ActiveX Controls, =
Java apples, and other components. <Picture: click here>=20

ActiveX Documents: These documents are from applications such as Word or =
Excel but can be viewed or edited from within the browser. With some =
programming, any software vendor can turn their files into ActiveX =
Documents. =20

----- =_NextPart_000_01BB5CFF.C9D66EF0

Content-Type: application/ms-tnef

Content-Transfer-Encoding: base64

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QHRhcHIub3JnJwAAAGELMAEAAAAWAAAAU01UUDpBUfJTU01HQFRBUFIuT1JHAAAAAwAAOQAAAAAL
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cGUdMN5sHcACIBx0AJBnHxAwCHguIEUfYBTwBcAfonn/AiAdwQSQHcEgECMgH7EeIb8A0CHSHHEI
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RUUpGU7VKgEFi/xxgVTB9cR8iXmNfcCbX0GD/jcJIMgOgJzBDQqhgBCBUkf8KwCGYX9I6QTPHOAGL
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B4Bj8YNGVTC1ZVPDQsRfWveU4ChBJaFXBBbHUQXAOWD/H/BW0TFhK6IdsUNSQMEFsX98AXLAHGBC
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AAUAAABSRToGAAAAAAMADTT9NwAAiIs=

----- =_NextPart_000_01BB5CFF.C9D66EF0--

From j@harper.com Tue Jun 18 10:43:28 1996

Received: from crash.cts.com (root@crash.cts.com [192.188.72.17]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA13945 for <aprssig@tapr.org>; Tue, 18 Jun 1996
10:43:22 -0500 (CDT)

Received: from harper.com by crash.cts.com with smtp

(Smail3.1.29.1 #5) id m0uW2vp-0001KNC; Tue, 18 Jun 96 08:43 PDT
Received: by harper.com (4.1/SMI-4.1)
id AA00339; Tue, 18 Jun 96 08:38:26 PDT
Message-Id: <9606181538.AA00339@harper.com>
From: J Goldberg <j@harper.com>
Date: Tue, 18 Jun 1996 08:38:26 PDT
In-Reply-To: Message from J Goldberg at Jun 2, 6:36
X-Mailer: Mail User's Shell (7.2.2 4/12/91)
To: aprssig@tapr.org
Subject: GPS display kit available

I've gotten several requests for info in the last few days,
so perhaps a reprise of this previous message would be valuable
to the list...

73

j, kd6pbh

The KD6PBH GPS display is a compact unit which shows latitude,
longitude, UTC "zulu" time, the number of satellites and the computed
Maidenhead Grid Square location. As input, the unit takes 9-24VDC and
a serial connection from a GPS receiver which outputs the standard NMEA
GPGGA sentence. Output is provided on an LCD display with 2 lines and
16 characters per line and LED backlight. The 6-character grid square
computation is valid for any North American location.

The heart of the KD6PBH GPS display is an MC68HC705J1A microcontroller
in a 20 pin DIP package. This receives the serial input, drives the
LCD display module, and computes the grid square from the latlong.
Other components include the smart LCD module, a serial receiver chip,
on-board power regulator and LCD bias voltage generator. The RS-232
receiver chip has been shown to work with commercial GPS receivers
(e.g., the Garmond 45) which can output GPGGA messages on their serial
port. The unit consumes 12-15 mA with backlight off and roughly 50 mA
with backlight on. Firmware for the micro is burned into on-board
PROM.

The kit includes all parts, a PC board, programmed microcontroller,
instructions, and the LCD module. Not included in the kit are the
external cabinet and connectors for your application. Several folks
have used the blue plastic Radio Shack box measuring roughly 1.25 x
2.5 x 4.5 inches, with Molex and/or DB-9 connectors.

The kit costs \$45 including tax. Priority mail shipping is \$5 more.
(If you prefer or require another shipping method, please send me email
and I'll get a quotation.) You can reserve a kit by writing email to
j@harper.com, calling 619.693.9046, or even sending USMail to

J Goldberg
Harper Technologies
P.O. Box 26910
San Diego, CA 92196-0910

To order, please send a check to the above address. (At this time, I cannot accept credit card orders.) Please allow 2-4 weeks for delivery. If you have reserved a kit in advance, your order will be given priority and filled more quickly (and often from stock within a couple of days).

--

j@harper.com, J Goldberg, Harper Technologies
USnail: P.O. Box 26910, San Diego CA 92196-0910
voice: 619.693.9046, fax: 619.621.9046

From sguccion@outland.dtcc.edu Tue Jun 18 11:30:31 1996
Received: from outland.dtcc.edu (sguccion@outland.dtcc.edu [138.123.12.201]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA15285 for <aprssig@tapr.org>; Tue, 18 Jun 1996 11:30:23 -0500 (CDT)
Received: (from sguccion@localhost) by outland.dtcc.edu (8.6.11/8.6.11) id MAA08371; Tue, 18 Jun 1996 12:29:58 -0400
Date: Tue, 18 Jun 1996 12:29:58 -0400 (EDT)
From: Dr Samuel Guccione <sguccion@outland.dtcc.edu>
X-Sender: sguccion@outland
To: aprssig@tapr.org
Subject: GPS Sentences
Message-ID: <Pine.SV4.3.91.960618122910.8340B@outland.dtcc.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Someone posted a web site that described the GPS sentences. Would that someone repost the site.

Thanks, Sam K3BY

From bruninga@nadn.navy.mil Tue Jun 18 11:53:04 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA16035 for <aprssig@tapr.org>; Tue, 18 Jun 1996 11:53:01 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id MAA07862; Tue, 18 Jun 1996 12:53:50 -0400
Date: Tue, 18 Jun 1996 12:53:49 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2060] Re: DFjr & APRS
In-Reply-To: <2.2.16.19960617101028.26f7410c@popd.ix.netcom.com>
Message-ID: <Pine.SUN.3.91.960618125112.4997E-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Jun 1996, Steve Hall wrote:

> As far as using the DFjr with APRS - The Dayton release of DOS APRS did not
> support the DFjr with the GPS interface. The latest release also seems to
> have problems if you want DF and GPS data coming in on the same port. I
> tried configuring APRS to use port 1 for both DFjr and GPS and NO TNC but it
> wouldn't work unless I had a TNC selected and used SPM which resulted in
> "buffer overflow errors"

APRSDOS REPLY COMMENT: Yes, you must configure for TNC even if you don't
use it. You must use the multiport adapter, have the GPS data going into
the DFjr, and then the DFjr will report the DF bearing and the posit to APRS.
I have not heard of this buffer overflow error?

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Tue Jun 18 11:59:00 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA16078 for <aprssig@tapr.org>; Tue, 18
Jun 1996 11:58:56 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
MAA08251; Tue, 18 Jun 1996 12:59:45 -0400
Date: Tue, 18 Jun 1996 12:59:45 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2062] Re: DFjr & APRS
In-Reply-To: <2.2.16.19960617103740.242f54e0@popd.ix.netcom.com>
Message-ID: <Pine.SUN.3.91.960618125530.4997F-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Jun 1996, Steve Hall wrote:

> How do I configure APRS to look for GPS and DF data on the same serial port???

> For now I will NOT have a TNC hooked up. Here is my setup.

> -----
> | GPS | -----
> ----- | NC
> --- MOMENTARY SPDT -----
> --o----- | Laptop |
> ---
> ----- | NO
> | DFjr | -----
> -----

> I prefer this over using the GPS input to the DFjr since it allows me to
> determine when to take a bearing. Also I feel the car's current heading
> needs to be reported at a higher rate than the DF info (especially on curvey
> roads).

APRSDOS REPLY COMMENT: Yes, now I see. The GPS will overflow the
buffers. You have a good point about needing to see the GPS data
inbetween DF fixes!

1) Re-wire the above to have TWO momentary switches. Push one for fixes when needed, push the other for bearings...

2) Use the GPS and a standard HSP switch. This will let APRS control the GPS posits. Then push the button for the DF data.

In all cases, you must configure for one port operation (TNC) whether you use it or not. Then tell APRS to use SPM or HSP mode for the GPS and then set the DF mode to DFjr from the alt-SETUP-DF menu...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Tue Jun 18 12:18:04 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA16546 for <aprssig@tapr.org>; Tue, 18 Jun 1996 12:18:00 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id NAA09745; Tue, 18 Jun 1996 13:18:54 -0400
Date: Tue, 18 Jun 1996 13:18:53 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2082] MIC-E & Voice Repeaters
In-Reply-To: <960617173139_71301.3106_FHJ77-4@CompuServe.COM>
Message-ID: <Pine.SUN.3.91.960618131453.4997L-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Jun 1996, Mike Musick wrote:

> My experience with packet and FM repeaters begs the question: will users
> willingly put-up with MIC-E operators who have less than perfect signals? I
> know that *I* wouldn't!
>
> IOW, I think it's a really bad idea to rely on DCD to mute the repeater. The
> threshold for detection of valid data on most TNC's requires a signal that is
> practically full-quieting. That's not real-world.

APR COMMENT: The packet does *not* have to be valid to be detected. My KPC-3 with software DCD will detect the *noisest* packet signal imaginable. SO the noisy packet would be muted. It does have to be near full quieting to be "decoded", however...

de wb4apr@amsat.org

From wbliss@coastside.net Tue Jun 18 12:41:36 1996
Received: from poseidon (poseidon.coastside.net [205.162.38.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA17649 for <aprssig@tapr.org>; Tue, 18 Jun 1996 12:41:31 -0500 (CDT)
Received: from LOCALNAME ([205.162.38.80]) by poseidon (8.6.11/8.6.12) with SMTP id KAA14234 for <aprssig@tapr.org>; Tue, 18 Jun 1996 10:37:28 -0700
Date: Tue, 18 Jun 1996 10:37:28 -0700
Message-Id: <199606181737.KAA14234@poseidon>

X-Sender: wbliss@mail.coastside.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "William B. Bliss/WB6LPG" <wbliss@coastside.net>
Subject: APRS TRACKING EVENT

ATTN: SPEC TRACKING EVENT...

Noon Saturday June 29th, the Solo Transpac-96 Sailboat race will start, from San Francisco to Kauai, Hawaii.

Mike Jefferson/WD6EHQ alone and aboard the S/V Foxx Fyre will be passing positions, twice daily, to Bill/KB6LFM in San Leandro, via Pactor on 14065.

Bill will then plot and DR them on APRS and they will be sent on to Yacht clubs by FAX and on Internet. Approx 20 S/V will be involved.

Also they will be uplinked and Gated on 10151/LSB on APRS and possibly on 7085/LSB, for all to see.

This is a solo single handed race and will take about 20 days, so info will be posted on APRS daily, conditions and QSO's permitting.

Other info on Internet at: <http://www.wingo.com.80/sss>

Anyone wishing to listen in and help out are welcome.

73's & Enjoy, Bill/WB6LPG@KA6EYH.#NOCAL.CA.USA.NOAM
NNNN

WBB/WB6LPG

From Lew.Midlam@pobox.com Tue Jun 18 14:33:42 1996

Received: from perseus.peganet.com (root@perseus.peganet.com [206.102.200.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id 0AA21213 for <aprssig@tapr.org>; Tue, 18 Jun 1996 14:33:40 -0500 (CDT)

Received: from peg4-ts63.peganet.com (peg4-ts63.peganet.com [206.102.200.164]) by perseus.peganet.com (8.6.12/8.6.9) with SMTP id PAA13905 for <aprssig@tapr.org>; Tue, 18 Jun 1996 15:39:22 -0400

Message-ID: <31C7041D.43C8@pobox.com>

Date: Tue, 18 Jun 1996 15:31:41 -0400

From: Lew Midlam <Lew.Midlam@pobox.com>

X-Mailer: Mozilla 2.0 (Win16; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2043] Re: Stamp controller for ICOM available

References: <960616223427_330268150@emout07.mail.aol.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

KD4EMI@aol.com wrote:

>

> In a message dated 96-06-16 20:40:12 EDT, you write:

>

> >

> >Will it work with the ICOM-720A? I bet not.

> >

> >-Lew W7LVW

> >
> >
> >
>
> I understand that if your icom has a computer interface port it will work.
> I dont even know what a 720A is...But if it uses the ICOM computer standard,
> yes it will.
>
> If a 720A doesnt have a computer port, then that question is kinda silly.
>

Not really. The 720A *is* computer controllable, *and* does use the ICOM *standard* interface (albiet, the ICOM standard that was in effect at the time the 720A's where manufactured - c. 1980). It's a *binary-digital* interface via a bank of data-lines at the rear of the unit. Obviously, this is not RS-223. There have been computer interface systems designed and published for the unit.

73,

Lew

From jwdstu@westga.edu Tue Jun 18 15:50:08 1996
Received: from sun.cc.westga.edu (sun.cc.westga.edu [160.10.4.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA24516 for <aprssig@tapr.org>; Tue, 18 Jun 1996 15:50:03 -0500 (CDT)
Received: from joe (sun.cc.westga.edu [160.10.4.2]) by sun.cc.westga.edu (8.6.10/8.6.10) with SMTP id QAA04796 for <aprssig@tapr.org>; Tue, 18 Jun 1996 16:49:34 -0400
Message-Id: <1.5.4.32.19960618204944.0067a9ec@160.10.4.2>
X-Sender: jwdstu@160.10.4.2
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 18 Jun 1996 16:49:44 -0400
To: aprssig@tapr.org
From: Joe DeVille <jwdstu@westga.edu>
Subject: Power-up Converse mode on MFJ???

Does anybody know if you can power-up the MFJ 1270/1274 with ver 1.2.9 firmware in Converse mode???? That would make my stand-alone tracker application MUCH MUCH MUCH easier!

Thanks!

Joe DeVille, KC4IWE Primary address: jwdstu@westga.edu
State University of Secondary address: bm160@freenet.carleton.ca
West Georgia Memberships/Affiliations: American Radio Relay League
Carrollton, GA USA Amateur Radio Emergency Service, SKYWARN, Red Cross
Disaster Services, Atlanta Olympic Band
Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA
----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

From dbb4@P07.RV.unisys.com Tue Jun 18 16:40:51 1996
Received: from eamail1.unisys.com (eamail1.unisys.com [192.61.103.80]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA27018 for <aprssig@tapr.org>; Tue, 18 Jun 1996 16:40:47 -0500 (CDT)
Received: from rsvl.unisys.com (rsvl_po.rsvl.unisys.com [192.61.220.100]) by eamail1.unisys.com (8.7.3/8.6.12) with SMTP id VAA17777 for <aprssig@tapr.org>; Tue, 18 Jun 1996 21:40:11 GMT
Received: from rsvl_gw.rsvl.unisys.com (po4a) by rsvl.unisys.com (4.1/SMI-4.1) id AA21319; Tue, 18 Jun 96 16:40:09 CDT
Received: by rsvl_gw.rsvl.unisys.com with Microsoft Mail id <31C72213@rsvl_gw.rsvl.unisys.com>; Tue, 18 Jun 96 16:39:31 CDT
From: "Baker, Donn B RV" <dbb4@P07.RV.unisys.com>
To: aprssig <aprssig@tapr.org>
Subject: Re: QST Patch and MAR-6 amplifier
Date: Tue, 18 Jun 96 16:39:00 CDT
Message-Id: <31C72213@rsvl_gw.rsvl.unisys.com>
Encoding: 25 TEXT
X-Mailer: Microsoft Mail V3.0

Bernard wrote:

>My idea is to build the amp directly on the ground plane of the QST patch
>antenna. One replaces the aluminum ground plane by a PC board and etch (or
>just grind) the striplines right on that.

Don't forget that you'll have to be on the BOTTOM of the ground plane. If you try to put the amplifier on the top of the GP (i.e., between the GP and th "patch" you'll change the characteristics of the cavity that makes the antenna work. Not good.

If you use double-sided G-10 or FR-4 PC board, 0.062" thick (1/16" - very common), a 50 ohm trace is about 0.120" wide. You should have at least twice that as clearance between it and the ground plane on the same side as the trace. Where the MAR-6 mounts, the GP can come right up to the hole.

The two GP (top and bottom) will have to be connected together in many places, especially right at the ground pins of the MAR-6, and along the edge of the board.

Also, remember that you can't use double-sided board for the "patch." Use single sided (or etch one side off), and make sure that the copper side faces the ground plane.

73 de Donn
WA2VOI

From 71301.3106@CompuServe.COM Tue Jun 18 17:18:06 1996
Received: from arl-img-5.compuserve.com (arl-img-5.compuserve.com [198.4.7.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA27984 for <aprssig@tapr.org>; Tue, 18 Jun 1996 17:14:45 -0500 (CDT)
Received: by arl-img-5.compuserve.com (8.6.10/5.950515) id SAA29961; Tue, 18 Jun 1996 18:13:59 -0400
Date: 18 Jun 96 18:12:33 EDT

From: Mike Musick <71301.3106@CompuServe.COM>
To: <aprssig@tapr.org>
Subject: 2-way MIC-E?
Message-ID: <960618221233_71301.3106_FHJ46-5@CompuServe.COM>

Maybe with my interest in the MIC-E a recent happenstance, I could have missed some prior dialog, but...

Has there been any discussion about a 2-way MIC-E? The MIC-E sends status codes, but it would be even better to have the ability to 1) acknowledge a changed status; 2) activate indicators (or even a limited text display); 3) remotely activate/deactivate certain status codes.

I have a specific application in mind for the MIC-E in a large-scale annual public service event, but hesitate because of the risks involved in giving people "panic buttons" that can't be turned off remotely. Also, one of the advantages of a simple status system is to cut down on voice traffic, but if every button push prompts a voice acknowledgement from the net control in order to confirm, then we've defeated the automated system.

Food for thought?

...mike musick/NOQBF

From christen@codger.physics.duq.edu Tue Jun 18 17:29:37 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA28340 for <aprssig@tapr.org>; Tue, 18 Jun 1996 17:29:34 -0500 (CDT)
Received: from wm22.icubed.com by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM)
id AA27991; Tue, 18 Jun 1996 18:09:20 -0400
Sender: paul@infobahn.icubed.com
Message-Id: <31C729C8.53ABDF2D@codger.physics.duq.edu>
Date: Tue, 18 Jun 1996 18:12:24 -0400
From: "P. Christenson" <christen@codger.physics.duq.edu>
X-Mailer: Mozilla 3.0b4Gold (X11; I; Linux 1.2.13 i486)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2106] Re: Might I suggest...
References: <Pine.BSF.3.91.960617211542.3652F-100000@laraby.tiac.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> > Nope. I disagree. I do *NOT* have time do sift thru the USENET drive1, nor
> > the inclination to beat back yet another Krazy Kevin magazine attack. We've
> > discussed this before, and I still think this is a bad idea.
>
> How does putting *this* sig on Usenet make it drive1?

It's not this SIG that is the drive1; it's the spam ads that haunt every news group on the net.

=====

I can identify with those people that don't like to find 20-30 messages in their mailbox.

Does this list server provide digest capability? That way, they'll only get one message per day. (A long one, true...)

From fehner@cts.com Tue Jun 18 17:42:22 1996

Received: from mailhub.cts.com (mailhub.cts.com [192.188.72.25]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA29305 for <aprssig@tapr.org>; Tue, 18 Jun 1996 17:42:20 -0500 (CDT)

Received: from fehnercom.cts.com (really [198.68.171.229]) by mailhub.cts.com via smail with smtp
id <m0uW9TR-000V6zC@mailhub.cts.com>
for <aprssig@tapr.org>; Tue, 18 Jun 96 15:42:13 -0700 (PDT)
(Smail-3.1.92 1996-Mar-19 #3 built 1996-Apr-21)

Message-Id: <2.2.32.19960618224752.006ced90@mail.cts.com>

X-Sender: fehner@mail.cts.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Tue, 18 Jun 1996 15:47:52 -0700

To: aprssig@tapr.org

From: Barbara Fehner <fehner@cts.com>

Subject: Re: [APRSSIG:2096] Re: GPS Antenna Preamp

This sounds just like the kind of project that Jack Lau (ARRL technical department) would like to take on. He designed the no-tune transverters and has lots of experience and interest in stripline devices. Does anyone have a contact at the ARRL?

Barbara KK6IB

E-Mail: fehner@cts.com

At 05:42 PM 6/17/96 -0500, you wrote:

>At 03:08 PM 6/17/96 -0500, you wrote:

>>

>> If you're gonna go to the effort to build a preamp for your GPS
>> antenna, please avoid multiple problems (or complete loss of utility)
>> down the road and fit a good bandpass filter in front of the amp.
>> Those little amps are very wide band, and your 2m or 440 or HF rig in
>> the vehicle with you is gonna swamp the darned thing every time. I
>> face this right now with my amp'd Garmin antenna and others know
>> exactly what I'm speaking of...

>>

>

>Anyone with a design?

>

>Bernard, KB2TGH.

>

>-----

>Bernard Seront, seront@seism1.ess.sunysb.edu
>http://rock.ess.sunysb.edu:8080/
>
>
>

From seront@seism1.ess.sunysb.edu Tue Jun 18 17:43:57 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA29354 for <aprssig@tapr.org>; Tue, 18 Jun 1996 17:43:49 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-6 #8051) id <01I62BLZBZ1S9YHS45@ccmail.sunysb.edu> for aprssig@tapr.org; Tue, 18 Jun 1996 18:43:40 -0400 (EDT)
Received: from corto.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA12648; Tue, 18 Jun 1996 18:42:58 -0400 (EDT)
Date: Tue, 18 Jun 1996 06:43:18 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:2117] Re: GPS Antenna Preamp
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960618104318.0068e394@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 04:49 PM 6/18/96 -0500, you wrote:

>Bernard Seront wrote:

>>

>> At 03:08 PM 6/17/96 -0500, you wrote:

>> >

>> > If you're gonna go to the effort to build a preamp for your GPS

>> > ... [not relevant here]

>> > exactly what I'm speaking of...

>> >

>> -----

>> Bernard Seront, seront@seism1.ess.sunysb.edu

>> http://rock.ess.sunysb.edu:8080/-----

>Sorry Bernard but i have to disagree with the above statement that it will
>swamp the darned thing everytime!.

I agree with you on the fact that I too disagree with the above statement!
But I have to disagree with you on one point, though, as I didn't made the
above statement!

:--)

Seriously, experiment will tell if this is a problem, first I will try
without any filtering and see.

Did someone actually looked inside an active antenna and can give us some
clue as what type of filtering they use, and a ref for the amp used would be
nice too.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu

<http://rock.ess.sunysb.edu:8080/>

From 71301.3106@CompuServe.COM Tue Jun 18 17:53:37 1996

Received: from arl-img-5.compuserve.com (arl-img-5.compuserve.com [198.4.7.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA29940 for <aprssig@tapr.org>; Tue, 18 Jun 1996 17:53:31 -0500 (CDT)

Received: by arl-img-5.compuserve.com (8.6.10/5.950515)
id SAA29957; Tue, 18 Jun 1996 18:13:59 -0400

Date: 18 Jun 96 18:12:25 EDT

From: Mike Musick <71301.3106@CompuServe.COM>

To: <aprssig@tapr.org>

Subject: Re: MIC-E & Repeaters

Message-ID: <960618221224_71301.3106_FHJ46-3@CompuServe.COM>

Sam, WJ8T, writes:

>Do you or your users now "put up with" folks who's signals are less
>than perfect?

Certainly. But not any that contain packet bursts at every unkey.

>From what I have seen at Dayton, the burst from a
>MIC-E is very short.. Shorter than your average packet because the
>TXD is gone.

And also because of the compressed format.

>Wonder if you have heard the signal from a MIC-E module.

Admittedly, no. But I remained concerned - concerned enough to get a MIC-E and try it for myself. No offense to our venerable leader and main "idea guy" around here, but we do have a track record of pressing the limits and using tech specs to create "good enoughs" that aren't.

>The burst is not as offensive as 1/2 of the "courtesy" tones I hear on
>Repeaters already.

Pretty shaky standard for comparison! ;-)

Maybe "offensive" is a matter of taste. I know that I don't like to listen to packet on voice channels, and bristle every time I do. I additionally have some exposure to a data-burst-on-unkey system, implemented by Burlington Northern Railroad a decade or more ago. Even with a tone pair that is "milder" than the pair we use, I still find it obnoxious and distracting.

>PLUS my TNC's regularly decode signals in the
>range of strength in the "comfort zone".

I still think that this is optimistic. I asked my neighbor and local packet

guru (who's on the TAPR board, by the way) about quieting requirements, and it was his response of "pretty quiet - S7 or better, typically" which prompted my questioning the DCD approach, aside from my own experiences.

>This will get people asking questions on
>what the Burst is.

And open a whole can of worms about packet bursts on voice machines. On a closed repeater this is no big deal and would be a good way to "advance the state of the art" within a finite community. But on an open system watch out for the lids, kids and space cadets who suddenly think packet's ok on the voice machine. "Do as I say and not as I do" takes on a whole new dimension when you don't have your user base on a tether.

>> 1) 9600 baud.

>

>Plus, the Signal quality needs to be better than at 1200Baud. The
>comfort zone will have to be the easy-chair zone.

True. I don't see this as a problem, but, then, I'm a strong advocate of moving the packet community to 9600 as the preferred standard. 144.91-145.09 is bursting at the seams and we've got to get real and adopt a denser protocol.

>>DSP would reliably pull the tones out of the hash.

>

>I think the hash won't be as bad as you think.

The hash I speak of is the background noise in low-quality signals.

>Isn't a seprate Data Channel the same as a stand alone tracker on
>145.790 Mhz??

Exactly.

>The MIC-E is NOT blind.. It has simple busy channel monitoring
>capabilities...

I stand corrected, then. Good show. We just have to keep people from using MIC-E's and trackers with transmit-only setups like the Agrelo modules (sorry, Joe!).

>...that would work wonderfully on a Voice Channel.

And we're back where we started - I'll reiterate that I don't like mixing analog voice and data on the same channel without the data content being completely transparent to voice users who aren't participating in the data system. This includes things like "CTCSS when voice" systems, which requires the user to know the tone and its purpose. The uninformed user should not have independent operation negatively impacted by a co-channel data system, and the MIC-E system as it stands doesn't meet that need.

Understand that I'm not at all against the MIC-E, just advocating that it needs a bit of fine-tuning. As existing, it is an excellent (actually, *great!*)

system for a closed environment, where all users are at least appraised of its presence if not actually participating. But on an open, general-access system? Not a good idea without some more refinement.

And this dialog gave me an idea. I'll post separately...

See you there.

...mike musick/N0QBF

From rwf@mindspring.com Tue Jun 18 18:21:46 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA01487 for <aprssig@tapr.org>; Tue, 18 Jun 1996 18:21:42 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id TAA01995 for <aprssig@tapr.org>; Tue, 18 Jun 1996 19:21:37 -0400
Message-Id: <2.2.32.19960618232223.009dd4c8@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 18 Jun 1996 19:22:23 -0400
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2106] Re: Might I suggest...

Richard A muttered:

>How does putting *this* sig on Usenet make it drivel?

This isn't the drivel, the SPAM is. Have you read Usenet lately?

From Tony_Flusche@compuware.com Tue Jun 18 18:31:52 1996
Received: from stargate.compuware.com (stargate.compuware.com [199.186.21.253]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA01726 for <aprssig@tapr.org>; Tue, 18 Jun 1996 18:31:42 -0500 (CDT)
Received: by stargate.compuware.com id AA15655
(InterLock SMTP Gateway 3.0 for aprssig@tapr.org);
Tue, 18 Jun 1996 19:26:59 -0400
Message-Id: <199606182326.AA15655@stargate.compuware.com>
Received: by stargate.compuware.com (Protected-side Proxy Mail Agent-1);
Tue, 18 Jun 1996 19:26:59 -0400
Date: Tue, 18 Jun 96 16:20:19 EDT
From: "Tony Flusche" <Tony_Flusche@compuware.com>
Encoding: 8 Text
To: aprssig@tapr.org
Subject: re: Might I suggest...

Personally I vote to leave the sig the way it is. For those tired of getting "too many" messages try digest mode. Send to LISTPROC@TAPR.ORG Note to the listserv note the sig!!! In the body type SET APRSSIG MAIL "password" DIGEST. "password" is your personal password assigned to you when you subscribed to the sig. This will bundle the messages into 1 or 2 messages a day. The current

size of these is around 40k each.
73 AB6BR

From tdrumm@sparc.isl.net Tue Jun 18 19:13:12 1996
Received: from sparc.isl.net (root@sparc.isl.net [199.3.25.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id TAA03937 for <aprssig@tapr.org>; Tue, 18 Jun 1996
19:13:09 -0500 (CDT)
Received: from ppp-69.isl.net (ppp-69.isl.net [199.3.25.118]) by sparc.isl.net
(8.7.4/8.7.3) with SMTP id TAA11906 for <aprssig@tapr.org>; Tue, 18 Jun 1996
19:18:17 -0500 (CDT)
Message-Id: <199606190018.TAA11906@sparc.isl.net>
X-Sender: tdrumm@sparc.isl.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 18 Jun 1996 19:14:09 -0500
To: aprssig@tapr.org
From: tdrumm@sparc.isl.net (Tony Drumm)
Subject: Re: [APRSSIG:2098] Re: MIC-E & Voice Repeaters

>On 17 Jun 96 at 13:43, Mike Musick wrote:

>

<snip>

>> 3) Separate transceiver for MIC-E. IOW, a "data channel", something
>> we've already developed. If there was a big push here to implement
>> MIC-E quickly, that's how I'd do it.

>

>Isn't a seprate Data Channel the same as a stand alone tracker on
>145.790 Mhz??

To me, the MIC-E sounds interesting just because it operates with an
existing radio and antenna. That would certainly make it more viable for
large-scale use for, say, Skywarn.

>

>> You'll notice that on #3 I said "transceiver", and that includes a
>> full TNC with a means to hold transmit if the channel is busy. I'm
>> not happy with the suggestions I've seen about blind transmitters;
>> this is very poor Amateur practice and would earn an Official
>> Observer notification if I caught it in use.

>

>The MIC-E is NOT blind.. It has simple busy channel monitoring
>capabilities that would work wonderfully on a Voice Channel.

>

Do I understand right that the MIC-E sends its burst at the end of the voice
transmission? If so, then there would be *no* channel monitoring needed as
it would be piggy-back on a transmission in progress.

73.

Tony Drumm
Rochester, MN

internet: tdrumm@isl.net
Packet: aa0sm@wd0gnk.#semn.mn.usa.na

From z004391b@bcfreenet.seflin.lib.fl.us Tue Jun 18 19:56:44 1996
Received: from pbfreenet.seflin.lib.fl.us (root@pbfreenet.seflin.lib.fl.us [199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA05797 for <aprssig@tapr.org>; Tue, 18 Jun 1996 19:56:42 -0500 (CDT)
Received: from bcfreenet.seflin.lib.fl.us (z004391b@bcfreenet.seflin.lib.fl.us [199.227.192.20]) by pbfreenet.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id UAA10139 for <aprssig@tapr.org>; Tue, 18 Jun 1996 20:55:40 -0400
Received: (from z004391b@localhost) by bcfreenet.seflin.lib.fl.us (8.6.12/8.6.12) id UAA03891; Tue, 18 Jun 1996 20:55:27 -0400
Date: Tue, 18 Jun 1996 20:55:27 -0400 (EDT)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:2058] Re: More serial Port help needed!
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <2.2.32.19960617135316.007135f0@144.188.134.33>
Message-ID: <Pine.3.89.9606182041.A28034-01000000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have two computers that use two systems for extending the com: port situation. One computer uses a Hayes ESS card which has an extension to the 16 byte buffer that the 16550 offers: it has 1k bytes of hardware buffer on board, and also has a multiplier that allows 4x and 8x of the present baud rate (115 kbaud x8). I don't run that fast, but do make use of the COM3 or COM4 extension which can be IRQs of beyond the 4 and 3 that are the default.

The other computer has a com card with two 16550 chips on it. They can be any com: port, up to 10 I think, and can be any IRQ up to 13 I think. This is nice, but the PC will still run out of IRQs fairly quickly, especially if you have a sound card. I use this one to give me com3 and com4 so I can run WISP, the satellite program, which runs my TNC and my TAPR TrakBox. I also have a mouse and a phone modem on the other com: ports.

I got both of these cards locally (Fort Lauderdale) at Comp USA and Computer City. These are two large computer stuff outlets kind of like Kmart for the computer folks.

This stuff is available, and I didn't pay more than 40 dollars for the dual 1550 card and 80 dollars for the Hayes ESP card.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Mon, 17 Jun 1996, Paul Moller wrote:

> A word of advise that saved me a lot of trouble Video cards that use
> the "S-3" chip set (many new ones do) will cause address conflicts with
> com4. This will NOT show up as a conflict in device manager because device

> manager looks at the first address of the range only. The S-3 chip set uses
> a couple of addresses in the middle of the com4 range. In summary, if you
> have an S-3 chip set, com 4 is out of the question.
>
> I found out my motherboard took
> >control of which interrupt the video card had. Then it and Win95 proceeded to
> >dole out the other interrupts etc. When I got to setting the 4th port for my
> >KPC-3 to use I was having lots of fits. I had to investigate what devices
> >where using what interrupts and compare that to what was available and that I
> >could move about. USE CAUTION HERE!!!!
> Paul, WD9ABE
>

From z004391b@bcfreenet.seflin.lib.fl.us Tue Jun 18 20:00:27 1996
Received: from pbfreenet.seflin.lib.fl.us (root@pbfreenet.seflin.lib.fl.us
[199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA05890 for
<aprssig@tapr.org>; Tue, 18 Jun 1996 20:00:23 -0500 (CDT)
Received: from bcfreenet.seflin.lib.fl.us (z004391b@bcfreenet.seflin.lib.fl.us
[199.227.192.20]) by pbfreenet.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id
UAA10933 for <aprssig@tapr.org>; Tue, 18 Jun 1996 20:59:16 -0400
Received: (from z004391b@localhost) by bcfreenet.seflin.lib.fl.us (8.6.12/8.6.12)
id UAA05729; Tue, 18 Jun 1996 20:59:22 -0400
Date: Tue, 18 Jun 1996 20:59:21 -0400 (EDT)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
Subject: Re: [APRSSIG:2063] Re: winAPRS/win95, extra serial por
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <199606171445.JAA14872@tapr.org>
Message-ID: <Pine.3.89.9606182004.B28034-0100000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I understand your hesitation. I have been running OS/2 very well with my
extra cards but Win95 is fussy. I finally did get everything except my
8x CDrom drive and LPT1 to behave. They conflict somehow, even though
Win95 says there are no conflicts.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Mon, 17 Jun 1996 schiers@ames.net wrote:

> In <712598@bbs.ames.net>, on 06/17/96 at 08:34 AM,
> aprssig@tapr.org said:
>
> >I use a serial board made
> >by "4-com" which is availble from NECX (look in computer shopper or
> >http://www.necx.com/
>
> I use a couple of these cards under OS/2 and they work beautifully. I want
> to add them to my WinAPRS machine (Win95), but have been hesitating for

> obvious reasons.
>
> I am using IRQ 2/9 for my bus mouse and com1/2 for WinAPRS. What would you
> use for the 4 additional IRQ settings on this board? I can figure out
> addresses, but am not familiar with how finicky Win95 is going to be with
> interrupts. With OS/2 it is a piece of cake, but I am not nearly so
> confident of what I have seen so far with Win95.
>
> 73,
>
> hasan schiers, NOAN--
> -----
> schiers@ames.net
> -----
>

From christen@codger.physics.duq.edu Tue Jun 18 20:04:58 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA06236 for <aprssig@tapr.org>; Tue, 18
Jun 1996 20:04:56 -0500 (CDT)
Received: from wm2.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA00812; Tue, 18 Jun 1996 21:01:39 -0400
Sender: paul@infobahn.icubed.com
Message-Id: <31C75229.1752B6A@codger.physics.duq.edu>
Date: Tue, 18 Jun 1996 21:04:41 -0400
From: "P. Christenson" <christen@codger.physics.duq.edu>
X-Mailer: Mozilla 3.0b4Gold (X11; I; Linux 1.2.13 i486)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2125] Re: JAVA APRS
References: <01BB5CFF.C9D4E850@ppp-102.crpl.cedar-rapids.lib.ia.us>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David E. Barrett wrote:

> Have you heard about ActiveX? I know how everyone loves Microsoft and they way
they
> get into everything. ActiveX is MS's answer to Java and with the Beta of
Internet
> Explorer 3.0 available it look's as if Netscape has some stiff competition.

Well, the way things look, nothing written in ActiveX will be run on my computer
for a
very long time. The reason is because of Microsoft's constant insistence to
create
new standards, rather than extend and enhance existing ones. (I guess that they
didn't learn from IBM's experience with Microchannel. A very good bus, mind you,
but
not really worth the premium price.)

Also, it appears that M\$ has absolutely no interest in supporting the machines

that
are already out there; particularly the *nix market. Anything that is going to be
a
serious contender in the Internet market simply HAS to be available for the major
X
platforms (Sun, SGI, etc.; and it's not far from there to BSD and Linux), or it
won't
get used by those with the influence. Sure, they'll have the college crowd
running on
their machines in the dorms, but that's not where the bucks are.

Enough of that for me....

From lousposa@worldnet.att.net Tue Jun 18 20:31:49 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA06922 for
<aprssig@tapr.org>; Tue, 18 Jun 1996 20:31:46 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id BAA12014; Wed, 19 Jun 1996 01:32:11 GMT
Date: Wed, 19 Jun 1996 01:32:11 GMT
Message-Id: <199606190132.BAA12014@mailhost.worldnet.att.net>
Received: from 53.orlando-2.fl.dial-access.att.net(199.70.197.53)
by mailhost.worldnet.att.net with SMTP
id A11807; Wed Jun 19 01:31:58 1996
X-Sender: lousposa@postoffice.worldnet.att.net
X-Mailer: Windows Eudora Pro Version 2.1.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Lou Sposa <lousposa@worldnet.att.net>
Subject: Re: [APRSSIG:2102] Encoded messages

I agree!!!! Please no attachments.

At 08:36 PM 6/18/96 +0000, you wrote:

>Once again, I plead to the SIG NOT to send these long long attached encoded
>files! Last time I was flamed into oblivion by the 1 or 2 people who actually
>wanted these files. Attached files to E-Mail , especially long ones like that
>GRAN.EXE are only good to those who can decode them. I do not have any way
>to do this as I have an E-Mail only account that offers no extras. Also, I
>have to download all the messages at once with no pickychoosy of ones I prefer
>
>not to read. Its all or none! Luckily I didn't print it out! Where do people
>get the decoders for these strange files?? I have no FTP services so I can't
>download it unless it is on a local BBS. Downloading 165 messages today ran
>up close to a Megabyte of text because of that GRAN.EXE file! So, save your
>Flamethrowers, just don't waste my and most everyone elses disk space with
>un-decodeable files. Put them in the TAPR FTP section or on a BBS, but PLEASE
>NO MORE ATTACHED E-MAIL FILES! Thank You
>Pat Bunsold WA6MHZ
>PS The rest of the SIG data is great and is extremely helpful for APRS addicts
>like myself! Keep sending out those hints and kinks!

>

>

Lou Sposa
79 Fiesta Way
Ft Lauderdale, FL 33301-1414
954-523-5122
954-523-1262/FAX

From mwalker@interlog.com Tue Jun 18 20:59:13 1996
Received: from smtp.interlog.com (root@smtp.interlog.com [198.53.145.6]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA07915 for <aprssig@tapr.org>; Tue, 18
Jun 1996 20:59:11 -0500 (CDT)
Received: from gold.interlog.com (root@gold.interlog.com [198.53.145.2]) by
smtp.interlog.com (8.7.4/8.7.4) with ESMTP id VAA15781 for <aprssig@tapr.org>;
Tue, 18 Jun 1996 21:52:34 -0400 (EDT)
Received: from INTERLOG.COM (mwalker.interlog.com [199.212.152.131]) by
gold.interlog.com (8.6.10/8.6.10) with SMTP id VAA14463 for <aprssig@tapr.org>;
Tue, 18 Jun 1996 21:59:02 -0400
Message-Id: <199606190159.VAA14463@gold.interlog.com>
From: "Mike Walker" <mwalker@interlog.com>
To: "APRSSIG" <aprssig@tapr.org>
Date: Tue, 18 Jun 96 21:57:43 -0400
Reply-To: "Mike Walker" <mwalker@interlog.com>
Priority: Normal
X-Mailer: Mike Walker's Registered PMMail 1.5
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Subject: Multi Com Ports

If you are using os/2 and are attempting to access com4, you don't need to
address it as x'2e8' (I think this is the standard address). I use an ATI
Mach 64 card and had to change my com 4. I found that x'1e8' does me just
fine. My modem runs off that port at irq 11.

My com 3 is x'3e8' at irq 12 and com 1 and 2 are normal.

Some os/2 shareware programs allow you to move your mouse up to com3 or above
so you can free up 1 and 2 for dos applications.

Hope this helps

mike

Mike Walker
127 High St. W.
Mississauga, ON
L5H 1K4

mwalker@interlog.com
rf: va3mw@va3bbs

From gerry@cs.tamu.edu Tue Jun 18 21:04:31 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA08258 for <aprssig@tapr.org>; Tue, 18 Jun 1996
21:04:29 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id VAA19045 for <aprssig@tapr.org>; Tue, 18 Jun 1996 21:04:02 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id VAA08395 for aprssig@tapr.org; Tue, 18 Jun 1996 21:02:51 -0500

Message-Id: <199606190202.VAA08395@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:2120] winaprs and os/2 (or os2aprs)

To: aprssig@tapr.org

Date: Tue, 18 Jun 1996 21:02:51 -0500 (CDT)

In-Reply-To: <199606181241.IAA04418@gold.interlog.com> from "Mike Walker" at Jun 18, 96 05:01:27 pm

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Actually, I'd prefer to port the GUI version, rather than try to recompile the keyboard driven version.

The Programmer's Workbench and compiler are pretty good at semi-automated porting of Windows code to OS/2.

gerry

--

Gerry Creager N5JXS

* SAREX Co-Investigator

gerry@cs.tamu.edu

* A little radio that lets kids talk

* to astronauts, and smile

From gerry@cs.tamu.edu Tue Jun 18 21:07:01 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA08302 for <aprssig@tapr.org>; Tue, 18 Jun 1996 21:06:59 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id VAA19089 for <aprssig@tapr.org>; Tue, 18 Jun 1996 21:06:33 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id VAA08413 for aprssig@tapr.org; Tue, 18 Jun 1996 21:05:22 -0500

Message-Id: <199606190205.VAA08413@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:2121] Re: JAVA APRS

To: aprssig@tapr.org

Date: Tue, 18 Jun 1996 21:05:22 -0500 (CDT)

In-Reply-To: <199606181340.NAA49261@smtp-gw01.ny.us.ibm.net> from "Dale Heatherington" at Jun 18, 96 05:05:38 pm

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Dale Heatherington sez:

>

> "stay tuned". OS/2 Java won't be publicly released
> for at least 3 months so I can't run it now anyway. I could
> download the Java beta now but I really don't don't want to deal
> with the bugs ;-)

I downloaded it today, between server crashes at tobo.ucsd.edu (getting some long-baseline observations for a littpel GPS surveying project in Azerbaijan), and I plan to install it tomorrow morning or Thursday. I'll let you know how the buglettes are. I *am* installing it in a seperate directory so I can go back to 1.1B if it flakes.

gerry

From JKHAM@delphi.com Tue Jun 18 22:13:32 1996
Received: from bos1h.delphi.com (SYSTEM@bos1h.delphi.com [192.80.63.8]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id WAA10551 for <aprssig@tapr.org>; Tue, 18 Jun 1996 22:13:31 -0500 (CDT)
Received: from delphi.com by delphi.com (PMDF V5.0-7 #10880) id <01I62L1F6T7K90S7LV@delphi.com> for aprssig@tapr.org; Tue, 18 Jun 1996 23:13:28 -0500 (EST)
Date: Tue, 18 Jun 1996 23:13:28 -0500 (EST)
From: "John F. Kraus II" <JKHAM@delphi.com>
Subject: map making
To: aprssig@tapr.org
Message-id: <01I62L1F6T7M90S7LV@delphi.com>
X-VMS-To: INTERNET"aprssig@tapr.org"
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

I have a short question on mapfix and the mkmap*.exe programs.
What are the latest versions and are they at the tapr ftp site?

John F. Kraus II <JKHAM@DELPHI.COM> OR <KC4ZGQ@IX.NETCOM.COM>

From jwdstu@westga.edu Tue Jun 18 23:18:24 1996
Received: from sun.cc.westga.edu (sun.cc.westga.edu [160.10.4.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA12461 for <aprssig@tapr.org>; Tue, 18 Jun 1996 23:18:22 -0500 (CDT)
Received: from joe (user-168-121-70-186.dialup.mindspring.com [168.121.70.186]) by sun.cc.westga.edu (8.6.10/8.6.10) with SMTP id AAA20022 for <aprssig@tapr.org>; Wed, 19 Jun 1996 00:18:02 -0400
Message-Id: <1.5.4.32.19960619041803.0066e708@160.10.4.2>
X-Sender: jwdstu@160.10.4.2
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 19 Jun 1996 00:18:03 -0400
To: aprssig@tapr.org
From: Joe DeVille <jwdstu@westga.edu>

Subject: Re: [APRSSIG:2118] Re: Might I suggest... [USENET Group]

> Dennis Mobley wrote:

> >> Folks,

> >>

> >> While I enjoy the on going discussions on the APRS SIG,

> >> it might be time for moving the SIG to a USENET news group.

Then I said:

> Since my internet access comes through my educational

> institution, I am limited to the newsgroups they subscribe to, which do not

> include any of the REC groups.

-----Stuff deleted-----

Then Dennis later said:

>There are those of us that use EMail for professional reasons and

>sorting out the APRS from the business mail get to be a bit much.

My reply:

SUGGESTION: You can get FREE email accounts from freenets, JUNO, etc. Get one of these and use one account for business, and another for listserv activity. That's what I do!

>Question to the SIG manager, one solution would be an archive that

>could be access via the WWW.

This would be a great idea too, but PLEASE don't make this a USENET group!

Joe DeVille, KC4IWE

Primary address: jwdstu@westga.edu

State University of

Secondary address: bm160@freenet.carleton.ca

West Georgia

Memberships/Affiliations: American Radio Relay League

Carrollton, GA USA

Amateur Radio Emergency Service, SKYWARN, Red Cross

Disaster Services, Atlanta Olympic Band

Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA

----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

From jwdstu@westga.edu Tue Jun 18 23:29:17 1996

Received: from sun.cc.westga.edu (sun.cc.westga.edu [160.10.4.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA12609 for <aprssig@tapr.org>; Tue, 18 Jun 1996 23:29:15 -0500 (CDT)

Received: from joe (user-168-121-70-186.dialup.mindspring.com [168.121.70.186]) by sun.cc.westga.edu (8.6.10/8.6.10) with SMTP id AAA20349 for <aprssig@tapr.org>;

Wed, 19 Jun 1996 00:28:55 -0400

Message-Id: <1.5.4.32.19960619042856.0068bc68@160.10.4.2>

X-Sender: jwdstu@160.10.4.2

X-Mailer: Windows Eudora Light Version 1.5.4 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Wed, 19 Jun 1996 00:28:56 -0400

To: aprssig@tapr.org

From: Joe DeVille <jwdstu@westga.edu>

Subject: Ignition noise !help!

Ok, sorry if this is a little off topic, but it directly involves APRS.

I am in the process of trying to get a stand-alone tracker in my car. I am using the following equipment:

Magnavox MX-4200 GPS

MFJ-1274 TNC W/ v1.2.9 firmware (GPS compatible--the new one).

Clegg-22 FM Transciever (oldie, but goodie!)

All this is wired into the fuse box via an unused fuse contact.

Here's the problem: Ignition noise. It does the following:

1. My TNC DCD light stays on, so no packets are TX.
2. Distorts my signal somewhat. It isn't too noticable on voice, but it seems to be more prominient on packet, probably due to the radio-->tnc cable.

I tried running the TNC on batteries, and that solved the problem, but I would much prefer to run it off the car electrical system.

Does anybody have any ideas on solving this noise problem?? I don't know beans about ignition filtering. I haven't been able to find any commercially available solution either.

Thanks in advance!

Joe DeVille, KC4IWE Primary address: jwdstu@westga.edu
State University of Secondary address: bm160@freenet.carleton.ca
West Georgia Memberships/Affiliations: American Radio Relay League
Carrollton, GA USA Amateur Radio Emergency Service, SKYWARN, Red Cross
 Disaster Services, Atlanta Olympic Band
 Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA
----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

From rsellers@misha.net Wed Jun 19 00:30:55 1996
Received: from misha.net (delta.www.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id AAA20085 for <aprssig@tapr.org>; Wed, 19 Jun 1996
00:30:53 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id AAA15636; Wed, 19 Jun 1996 00:30:49 -0500
Date: Wed, 19 Jun 1996 00:30:49 -0500
Message-Id: <199606190530.AAA15636@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:2102] Encoded messages

>Pat Bunsold WA6MHZ wrote:

>Once again, I plead to the SIG NOT to send these long long attached encoded
>files! Last time I was flamed into oblivion by the 1 or 2 people who actually

>wanted these files. Attached files to E-Mail , especially long ones like that
>GRAN.EXE are only good to those who can decode them. I do not have any way
>to do this as I have an E-Mail only account that offers no extras.
>get the decoders for these strange files?? I have no FTP services so I can't
>download it unless it is on a local BBS. ...
> but PLEASE NO MORE ATTACHED E-MAIL FILES! Thank You

I too got the file as did everyone else, it's not the SIG's fault, a user did it. I suspect everyone got it because the sender didnt pay enough attention to whom he sent the message and it got sent to the SIG. Hey stuff happens!! We're all new once in a while, granted it happens here occasionally but usually not from the same guy more than once or so.

I suspect if every HAM here flamed a new HAM like they do a person doing accidentally sending the attached messages on the SIG, there would be a LOT less HAMS to talk to!

Remember this is nicknamed the Information SUPER Hiway, it isnt always a walk in the park. Have some patience out there. If I and others replied to EVERY message I thought was useless and wasted bandwidth there would be 3-4 times more messages I suspect.

Newbies here should practice sending attachements with messages locally before posting to the SIG I suspect. As far as not having an email reader that wont handle attachments correctly. Get a new reader that does. I was lambasted, heckled, flamed, etc about my Windows 95 Explorer sending attachments accidentally that I didnt even know was being done. I was in essence FORCED to find a different E-mail utility or not post any messages. The lesser of 2 evils was a new browser. Eudora version work fine and are easily found. There's really no excuse for not being able to find a good reader that will handle attachments. Before complaining about someone elses lack of expirience, make sure you got your bases covered.

This is MY opinion, please reply directly and not via the SIG. Any disgruntled replied can be addressed to me by using the DELETE key.

73,

Roger Sellers

Amateur Radio: KB9LBU

E-Mail Home: rsellers@misha.net

E-Mail Work: rsellers@snds.com

From N5RKN@aol.com Wed Jun 19 00:56:32 1996

Received: from emout07.mail.aol.com (emout07.mx.aol.com [198.81.11.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA20999 for <aprssig@tapr.org>; Wed, 19 Jun 1996 00:56:30 -0500 (CDT)

From: N5RKN@aol.com

Received: by emout07.mail.aol.com (8.6.12/8.6.12) id BAA06868 for aprssig@tapr.org; Wed, 19 Jun 1996 01:55:57 -0400

Date: Wed, 19 Jun 1996 01:55:57 -0400

Message-ID: <960619015555_220350656@emout07.mail.aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2104] Re: Might I suggest... [USENET Group]

Okay...okay..okay..... So, I was one of the group that "jumped on the bandwagon" about moving the APRS mega bulletins. Well, hey! I was just looking at alternative solutions. Whether or not it was to a USENET group or to some other method, there must be another way to break these down to a more usable level. One in which we could request subscription to only certain criteria within the APRS msgs. No offense guys & gals, but I'm not interested in the Florida GPS info and about 3/4 of the msgs.... But, there are some that tweak my curiosity. So, I keep the bulletins coming. However, I do a lot of deletes without even looking at the text, if they don't qualify to my interest level.

Let's see if we can find a way to solve this. Yes... these requests hit every few months. But, they are valid. Don't keep bitching about them. Find a solution...jeez.

Robert N5RKN

From stanzepa@usa.nai.net Wed Jun 19 07:21:59 1996
Received: from usa.nai.net (usa.nai.net [204.71.21.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA06824 for <aprssig@tapr.org>; Wed, 19 Jun 1996 07:21:56 -0500 (CDT)
Received: from [206.98.48.227] (naih1p28.nai.net [206.98.48.227]) by usa.nai.net (8.6.12/8.6.5) with SMTP id IAA01615 for <aprssig@tapr.org>; Wed, 19 Jun 1996 08:18:50 -0400
Message-Id: <v01530501adedda0b4d1e4@[206.98.48.209]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 19 Jun 1996 08:21:46 -0400
To: aprssig@tapr.org
From: stanzepa@usa.nai.net (stan horzepa)
Subject: RE: Might I suggest...

The TAPR mailing list software supports 'digest' mode. Digest mode generates a periodic message each day containing multiple messages, instead of sending you each message individually. If you feel close to information overload, you may find digest mode to be very useful.

If you would like to change to digest mode, send a message to listserv@tapr.org containing only the following line:

set APRSSIG mail digest

Enough said!

From sdimse@bridge.net Wed Jun 19 07:26:18 1996
Received: from relay5.UU.NET (relay5.UU.NET [192.48.96.15]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA06886 for <aprssig@tapr.org>; Wed, 19 Jun 1996

07:26:15 -0500 (CDT)

Received: from bridge.net by relay5.UU.NET with ESMTP

(peer crosschecked as: newworld.bridge.net [204.253.4.4])

id QQautt01398; Wed, 19 Jun 1996 08:26:13 -0400 (EDT)

Received: from [204.253.4.75] (ppp-mia2-75.bridge.net [204.253.4.75]) by bridge.net (8.7.5/8.7.3) with SMTP id IAA23051 for <aprssig@tapr.org>; Wed, 19 Jun 1996 08:23:28 -0400 (EDT)

Message-Id: <199606191223.IAA23051@bridge.net>

Subject: Re: [APRSSIG:2107] Re: JAVA APRS

Date: Wed, 19 Jun 96 08:26:17 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>OK, who is the JAVA hacker out there?

>

>How do you open serial ports in JAVA on 95 and MAC?

>

On the Mac, you have to write a native code object, actually pretty easy. Don't know about windows.

I think, though, I need to restate my plans for javAPRS. I will not be writing a full featured version of the APRS protocols. My desire is for a set of Java applets that allow for a much greater presence of APRS on the WWW. All of my released programs will be cross platform Java, which means NO serial port access.

If someone else wants to re-invent the wheel and do a full APRS version in JAVA I'd like to work with them to make our objects have a common interface, which would benefit everyone. I have no desire to write and support a monster set of features in a full APRS. javAPRS will strictly be things I think are cool...but please feel free to attempt to convince me of those things you think would be cool!

73 de Steve

From rwf@mindspring.com Wed Jun 19 09:42:20 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA12792 for <aprssig@tapr.org>; Wed, 19 Jun 1996 09:42:18 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id KAA14185 for <aprssig@tapr.org>; Wed, 19 Jun 1996 10:42:12 -0400

Date: Wed, 19 Jun 1996 10:42:12 -0400

Message-Id: <2.2.16.19960619101717.2dc71eb2@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (16)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: Re: [APRSSIG:2142] Re: MIC-E & Voice Repeaters

Tony said:

>

>Do I understand right that the MIC-E sends its burst at the end of the voice
>transmission? If so, then there would be *no* channel monitoring needed as
>it would be piggy-back on a transmission in progress.

Mostly so. If the user hasn't transmitted in a while, a timer will cause a
transmission, too.

Ralph

From rwf@mindspring.com Wed Jun 19 09:42:22 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA12802 for <aprssig@tapr.org>; Wed, 19
Jun 1996 09:42:20 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com
with SMTP id KAA14201 for <aprssig@tapr.org>; Wed, 19 Jun 1996 10:42:14 -0400
Date: Wed, 19 Jun 1996 10:42:14 -0400
Message-Id: <2.2.16.19960619101719.3307bca2@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2138] Re: GPS Antenna Preamp

Bernard said:

>Did someone actually looked inside an active antenna and can give us some
>clue as what type of filtering they use, and a ref for the amp used would be
>nice too.

>

Yes, I did. I opened the MA/Com amplified hockey puck (65.00 I think) and
it had a cute little cavity type filter. (At least that's what I think it
was) It looked like a really miniscule interdigital filter like we use on ATV.

They use their commercially available 1575 (or whatever)
GPS-preamp-on-a-chip (\$8.00, I think) in this unit.

MA/Com sent me a sample chip- I gave it to KA4IIA. Folks building GPS
preamps wight well look at this chip, but personally- I'll buy any future
ones commercially. I don't have the time to try to homebrew something that
is potentially this troublesome. Especcially when I can buy a Trimble puck
from Paccomm for 65.00 or whatever it is.

By the way- I took the cover off a Motorola active antenna too. The
electronics were not visible, they are underneath the patch, which is sealed
in metal.

Ralph

From bruninga@nadm.navy.mil Wed Jun 19 09:50:16 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA13390 for <aprssig@tapr.org>; Wed, 19 Jun 1996 09:50:14 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id KAA25323; Wed, 19 Jun 1996 10:51:09 -0400
Date: Wed, 19 Jun 1996 10:51:08 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2150] map making
In-Reply-To: <01I62L1F6T7M90S7LV@delphi.com>
Message-ID: <Pine.SUN.3.91.960619104703.24586A@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Jun 1996, John F. Kraus II wrote:

> I have a short question on mapfix and the mkmap*.exe programs.
> What are the latest versions and are they at the tapr ftp site?

APRSDOS REPLY COMMENT: MPFIX25 is the latest and has a very fast FIND and TRIM capability but it does not keep the white circle on the last point of a feature if you delete it. So I'm using 25, but keep 24 or 23 as a backup..

MK100Kxx... GREAT NEWS> Jack has a beta version out that will generate an NxN matrix of maps. Bill nolle just did 10 by 10! and these maps include water and airports and boundary lines! Looks good to me Bill! Thanks Jack. It is not yet posted, but any day now... Bill did all of atlanta...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Wed Jun 19 09:54:48 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA13520 for <aprssig@tapr.org>; Wed, 19 Jun 1996 09:54:43 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id KAA25581; Wed, 19 Jun 1996 10:55:38 -0400
Date: Wed, 19 Jun 1996 10:55:38 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2150] map making
In-Reply-To: <01I62L1F6T7M90S7LV@delphi.com>
Message-ID: <Pine.SUN.3.91.960619105120.24586B@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Jun 1996, John F. Kraus II wrote:

> I have a short question on mapfix and the mkmap*.exe programs.

> What are the latest versions and are they at the tapr ftp site?

APRSDOS REPLY COMMENT: One other comment about MAPFIX.. BILL WAS RIGHT! Mapfix does create some 45 degree shortcuts when you do the TASKS-SCRUNCH command. So my recommendation is NOT to use TASK-SCRUNCH on any of the 100k maps. If you need to remove points, go to the red roads and smooth out all the jaggedness. Next look for an area of lots of straight blocks where you can re-draw the grid of streets with long straight lines instead of the block-by-block organization of the current data. I draw new yellow roads over the whole block area, then delete the gray points underneath. When I'm done, then CHANGE-COLOR back to gray... Do NOT use MAPFIX25 for deleting the LAST two points in a feature, or it will create a single point. Then you must use TASK-CLEAR to get rid of it...

de wb4apr@amsat.org

From barrettd@crpl.cedar-rapids.lib.ia.us Wed Jun 19 11:14:48 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us [198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA17590 for <aprssig@tapr.org>; Wed, 19 Jun 1996 11:14:46 -0500 (CDT)
Received: from ppp-103.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US with SMTP;

Wed, 19 Jun 1996 11:12:46 -0500 (CDT)

Received: by ppp-103.cedar-rapids.lib.ia.us with Microsoft Mail
id <01BB5DD0.972EFB80@ppp-103.cedar-rapids.lib.ia.us>; Wed, 19 Jun 1996 11:15:15 -0500

Message-ID: <01BB5DD0.972EFB80@ppp-103.cedar-rapids.lib.ia.us>

From: "David E. Barrett" <barrettd@crpl.cedar-rapids.lib.ia.us>

To: "'aprssig@tapr.org'" <aprssig@tapr.org>

Subject: RE: [APRSSIG:2139] Re: MIC-E & Repeaters

Date: Wed, 19 Jun 1996 11:08:19 -0500

MIME-Version: 1.0

Content-Type: multipart/mixed; boundary="-----=_NextPart_000_01BB5DD0.97308220"

-----=_NextPart_000_01BB5DD0.97308220

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

And we're back where we started - I'll reiterate that I don't like mixing analog voice and data on the same channel without the data content being completely transparent to voice users who aren't participating in the data system.

I'm probably all wet with the suggestion I'm about to offer to mixing APRS data burst's on voice

and it may be due to not enough range in the audio spectrum. Why not use modified TNC's that

use subaudible tones instead of audible? They work for closed repeater access so it should in theory

work, shouldn't it?????

-----=_NextPart_000_01BB5DD0.97308220

Content-Type: application/ms-tnef

Content-Transfer-Encoding: base64

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AA80AAAAAIB/w8BAAAAAPwAAAAAAACBKx+kvqMQGZ1uAN0BD1QCAAAAAAGFwcnNzaWdAdGFwci5v
cmcAU01UUABhcHJzc2lnQHRhcHIub3JnAAAEAAIwAQAAAAUAAABTTVRQAAAAAB4AAzABAAAAEQAA
AGFwcnNzaWdAdGFwci5vcmcAAAAAAwAVDAEAAAAADAP4PBgAAAB4AATABAAAAEwAAACdhcHJzc2ln
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JbIlMwWgAjC7CfAFQGIIhoC0XBaBtC1D7EgAWMHkiICHgAIAAdISgS9HRvJIV1EfAR4CABKpD3KiIi
0R0hdCSwBSA8C0BTiAlGcC3HPVzeSCgZbZtG18cYC4cjCFABSwQ/wNgH8ACYCmgB0AmoRIAjrPx
JaR1Z2cHkCxCQJYEwovcBoCcDKpBvDdAEkCpyI1TZE3BQUgXwJTNiCHAgOP4nBCA1gSSTI7cfQCgw
I0C+YSmgKFAikApQKnJuHsD2IANwCGBnMiAp0TKwLPZYXVkmVAgkHAe4XLAdW0uIFdoKaA4Yj8r
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IsIhsD9FEi8ujR6mHPUWwQBHgAADABAQAAAAAAMAERAAAAAAQAAHMPDHR9P4XbsBQAAIMPDHR9P4
XbsBHgA9AAEAAAAFAAAAAUku6IAAAAAADAA00/TCAA04h

-----=_NextPart_000_01BB5DD0.97308220--

From n2iph@cyberenet.net Wed Jun 19 11:23:49 1996

Received: from admin.cyberenet.net (admin.cyberenet.net [204.213.252.6]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA17978 for <aprssig@tapr.org>; Wed, 19
Jun 1996 11:23:46 -0500 (CDT)

Received: from ux1.cyberenet.net by admin.cyberenet.net with smtp
(Smail3.1.29.1 #7) id m0uWQ2d-000C8kC; Wed, 19 Jun 96 12:23 EDT

Received: from n2iph.ppp.cyberenet.net.cyberenet.net by ux1.cyberenet.net with
smtp

(Smail3.1.29.1 #8) id m0uWQ2c-0000C6C; Wed, 19 Jun 96 12:23 EDT

Message-ID: <31C82A40.85A@cyberenet.net>

Date: Wed, 19 Jun 1996 12:26:40 -0400

From: Bob Derderian <n2iph@cyberenet.net>

Reply-To: n2iph@cyberenet.net

Organization: I&C

X-Mailer: Mozilla 3.0b3Gold (Win95; I)

MIME-Version: 1.0

To: APRS dicussion group <aprssig@tapr.org>

Subject: Help with GPS-75 and mobile setup needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all,

Looking for some info on the Garmin GPS-75, specifically the connection information for the cable (I know the red and black are +12VDC and ground respectively), I need to know the data out leads, are they brown and white? What are the Blue and Red w/Blk trace leads?

Also, has anyone connected a TNC to a TM-742A and if so any hints/kinks? I plan to make all connections to the rig thru the RJ-45 connector.

My complete mobile setup will be;

Kenwood TM-742A
Kantronics KPC-3 w/Ver 5.0 firmware
Garmin GPS-75 rev ?? firmware
Agrelo DFjr w/Multi-port adapter
IBM Thinkpad 701C running DOS APRS 76d
TEKK KS-960 UHF Data radio (9600 ready)

Any help would be appreciated.

thanks, Bob

From jratchf@bulldog.afsc.k12.ar.us Wed Jun 19 12:17:26 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA19872 for <aprssig@tapr.org>; Wed, 19 Jun 1996 12:17:23 -0500 (CDT)
Received: from jratchf.bulldog.afsc.k12.ar.us (slip1.afsc.k12.ar.us [170.211.157.175]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id MAA10302 for <aprssig@tapr.org>; Wed, 19 Jun 1996 12:17:20 -0500
Message-Id: <199606191717.MAA10302@bulldog.afsc.k12.ar.us>
From: "J. Scott Ratchford, KC5JGV" <jratchf@bulldog.afsc.k12.ar.us>
To: "aprssig taprorg" <aprssig@tapr.org>
Subject: APRS Arkansas?
Date: Wed, 19 Jun 1996 12:16:09 -0500
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1085
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Anybody out there? Aprs Arkansas?

--

KC5JGV
Marshall, Arkansas

From bruninga@nadn.navy.mil Wed Jun 19 12:41:11 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by

tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA21072 for <aprssig@tapr.org>; Wed, 19 Jun 1996 12:41:09 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id NAA09414; Wed, 19 Jun 1996 13:42:04 -0400
Date: Wed, 19 Jun 1996 13:42:04 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2157] Re: MIC-E & Voice Repeaters
In-Reply-To: <2.2.16.19960619101717.2dc71eb2@mindspring.com>
Message-ID: <Pine.SUN.3.91.960619134106.8605A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Jun 1996, rwf wrote:

> Tony said:
> >Do I understand right that the MIC-E sends its burst at the end of the voice
> >transmission? If so, then there would be *no* channel monitoring needed as
> >it would be piggy-back on a transmission in progress.
>
> Mostly so. If the user hasn't transmitted in a while, a timer will cause a
> transmission, too.

APRSDos REPLY COMMENT: But only if the channel has been *not busy* for a given time period (user settable)

de wb4apr@amsat.org

From star@pbfree.net.seflin.lib.fl.us Wed Jun 19 12:45:14 1996
Received: from pbfree.net.seflin.lib.fl.us (star@pbfree.net.seflin.lib.fl.us [199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA21177 for <aprssig@tapr.org>; Wed, 19 Jun 1996 12:45:11 -0500 (CDT)
Received: (from star@localhost) by pbfree.net.seflin.lib.fl.us (8.6.12/8.6.12) id NAA20012; Wed, 19 Jun 1996 13:44:10 -0400
Date: Wed, 19 Jun 1996 13:44:09 -0400 (EDT)
From: Joseph Novak <star@pbfree.net.seflin.lib.fl.us>
Subject: Joining the mile-high club
To: aprssig@tapr.org
Message-ID: <Pine.3.89.9606191329.A13506-0100000@pbfree.net.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Last week I found myself in a window seat of a Delta DC-9 flying from Atlanta to Washington, D C. About halfway through the flight, I decided to check out my Garmin 45. It had been used last in the South Florida area. I placed the antenna next to the window and after about five minutes it began to acquire satellites.

Even with the encouragement a couple attractive flight attendants, the unit would not lock, not even after displaying signals from five satellites. Kind of disappointing. Does anyone know why it did not work?? Has anyone had success?

I was assigned an isle seat on the return trip.

Joe Novak
star@pbfreenet.seflin.lib.fl.us

From w2g3zfj@unix.asb.com Wed Jun 19 13:09:46 1996
Received: from unix.asb.com (unix.asb.com [165.254.128.4]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA22427 for <aprssig@tapr.org>; Wed, 19 Jun 1996
13:09:42 -0500 (CDT)
Received: from asb24 (sls14.asb.com [165.254.128.24]) by unix.asb.com
(8.6.12/8.6.9) with SMTP id OAA14495 for <aprssig@tapr.org>; Wed, 19 Jun 1996
14:15:33 -0400
Message-Id: <199606191815.OAA14495@unix.asb.com>
X-Sender: w2g3zfj@unix.asb.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 19 Jun 1996 14:04:19 -0400
To: aprssig@tapr.org
From: w2g3zfj@unix.asb.com (bob)
Subject: APRS Page
X-Mailer: <PC Eudora Version 1.4>

Hi Folks

I have just added a couple of views of my winAPRS screens to my home page if
you're interested.

<http://www.asb.com/usr/w2g3zfj/aprs1.htm>

I will add more items of interest as time progresses!

73 de bob w2/g3zfj
w2g3zfj@unix.asb.com

From kc6hur@garc.gsfc.nasa.gov Wed Jun 19 13:47:26 1996
Received: from garc.gsfc.nasa.gov (kc6hur@garc.gsfc.nasa.gov [128.183.105.32]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA23860 for <aprssig@tapr.org>; Wed, 19
Jun 1996 13:47:23 -0500 (CDT)
Received: from localhost (kc6hur@localhost) by garc.gsfc.nasa.gov (8.6.11/8.6.9)
with SMTP id OAA15323 for <aprssig@tapr.org>; Wed, 19 Jun 1996 14:47:10 -0400
Date: Wed, 19 Jun 1996 14:47:08 -0400 (EDT)
From: Randy Hammock <kc6hur@garc.gsfc.nasa.gov>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2161] Re: MIC-E & Repeaters
In-Reply-To: <01BB5DD0.972EFB80@ppp-103.cedar-rapids.lib.ia.us>
Message-ID: <Pine.LNX.3.93.960619144156.15292C-100000@garc.gsfc.nasa.gov>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Jun 1996, David E. Barrett wrote:

>
>
> And we're back where we started - I'll reiterate that I don't like mixing
> analog voice and data on the same channel without the data content being
> completely transparent to voice users who aren't participating in the data
> system.
>
> I'm probably all wet with the suggestion I'm about to offer to mixing APRS data
burst's on voice
> and it may be due to not enough range in the audio spectrum. Why not use
modified TNC's that
> use subaudible tones instead of audible? They work for closed repeater access so
it should in theory
> work, shouldn't it?????

If things are implemented as suggested, Voice users will not even hear the
data packets on the repeater. Data packets will only be heard over
repeaters that are not setup for voice/APRS operation. What's the
problem? If people are worried about data bursts over non-APRS
repeaters, just turn off the encoder when using such systems. Kind of
like people complaining about "sub-audible tones" on repeaters that don't
require them. Can't please everyone.

--

Randy Hammock KC6HUR | E-Mail: kc6hur@garc.gsfc.nasa.gov
8951 Tamar Drive, Apt 101 | Voice: +1-410-964-5503
Columbia, MD 21045 |

From etroy@aeroconsult.com Wed Jun 19 13:49:01 1996
Received: from mail.voicenet.com (mail.voicenet.com [207.103.0.35]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA24152 for <aprssig@tapr.org>; Wed, 19 Jun 1996
13:48:59 -0500 (CDT)
Received: from nikki (ivyland367.voicenet.com [205.245.110.166]) by
mail.voicenet.com (8.6.12/8.6.12) with SMTP id OAA05405 for <aprssig@tapr.org>;
Wed, 19 Jun 1996 14:48:56 -0400
Message-Id: <2.2.32.19960619184914.006d1e90@popmail.voicenet.com>
X-Sender: etroy@popmail.voicenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 19 Jun 1996 14:49:14 -0400
To: aprssig@tapr.org
From: Ed Troy <etroy@aeroconsult.com>
Subject: Joining the mile-high club

I'm not sure about the Garmin 45, but a lot of the low cost units are
specifically designed so that they will not work in aircraft. I guess they
are afraid of liability .. either that or they want to soak the aviators
(myself included) with specific units designed for aviation use. These
aviation units, as you might guess, are much more expensive, although they
usually include databases that are useful to pilots, but not available on
the low-cost units.

Ed

Ed Troy

Aerospace Consulting

<http://www.aeroconsult.com>

RF, Microwave, Wireless, and Analog Design, Development, and Consulting. Also, circuit board layout using PCAD, software development, and GPS applications

From jratchf@bulldog.afsc.k12.ar.us Wed Jun 19 14:37:50 1996

Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA25724 for <aprssig@tapr.org>; Wed, 19 Jun 1996 14:37:47 -0500 (CDT)

Received: from jratchf.bulldog.afsc.k12.ar.us (slip1.afsc.k12.ar.us [170.211.157.175]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id OAA11684 for <aprssig@tapr.org>; Wed, 19 Jun 1996 14:37:51 -0500

Message-Id: <199606191937.OAA11684@bulldog.afsc.k12.ar.us>

From: "J. Scott Ratchford, KC5JGV" <jratchf@bulldog.afsc.k12.ar.us>

To: <aprssig@tapr.org>

Subject: Re: [APRSSIG:2162] Help with GPS-75 and mobile setup needed

Date: Wed, 19 Jun 1996 14:36:31 -0500

X-MSMail-Priority: Normal

X-Priority: 3

X-Mailer: Microsoft Internet Mail 4.70.1085

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

The Brown is data + and the white data - . I think. My manual is at the house. I'm sure that's right.

BTW, I too am setting up my mobile with almost exactly the same equipment! Except I'm using a MFJ Data Radio, and a 486 Grid KomPooteer. :-)

--

KC5JGV

Marshall, Arkansas

> From: Bob Derderian <n2iph@cyberenet.net>

> To: aprssig@tapr.org

> Subject: [APRSSIG:2162] Help with GPS-75 and mobile setup needed

> Date: Wednesday, June 19, 1996 11:42 AM

>

> Hello all,

>

> Looking for some info on the Garmin GPS-75, specifically the connection
> information for the cable (I know the red and black are +12VDC and
> ground respectively), I need to know the data out leads, are they brown
> and white? What are the Blue and Red w/Blk trace leads?

>

> Also, has anyone connected a TNC to a TM-742A and if so any hints/kinks?

> I plan to make all connections to the rig thru the RJ-45 connector.
>
> My complete mobile setup will be;
>
> Kenwood TM-742A
> Kantronics KPC-3 w/Ver 5.0 firmware
> Garmin GPS-75 rev ?? firmware
> Agrelo DFjr w/Multi-port adapter
> IBM Thinkpad 701C running DOS APRS 76d
> TEKK KS-960 UHF Data radio (9600 ready)
>
> Any help would be appreciated.
>
> thanks, Bob

From jratchf@bulldog.afsc.k12.ar.us Wed Jun 19 14:40:27 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id OAA25785 for <aprssig@tapr.org>; Wed, 19 Jun 1996
14:40:24 -0500 (CDT)
Received: from jratchf.bulldog.afsc.k12.ar.us (slip1.afsc.k12.ar.us
[170.211.157.175]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id OAA11752
for <aprssig@tapr.org>; Wed, 19 Jun 1996 14:40:28 -0500
Message-Id: <199606191940.OAA11752@bulldog.afsc.k12.ar.us>
From: "J. Scott Ratchford, KC5JGV" <jratchf@bulldog.afsc.k12.ar.us>
To: <aprssig@tapr.org>
Subject: Re: [APRSSIG:2165] Joining the mile-high club
Date: Wed, 19 Jun 1996 14:39:12 -0500
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1085
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

How fast was the plane flying. I'd bet more than the limit of 99 mph! At
least I'd hope so! If not, then I hear you can drive faster than that from
DC to Olympic Central! :-)

--
KC5JGV
Marshall, Arkansas

> From: Joseph Novak <star@pbfree.net.seflin.lib.fl.us>
> To: aprssig@tapr.org
> Subject: [APRSSIG:2165] Joining the mile-high club
> Date: Wednesday, June 19, 1996 12:59 PM
>
> Last week I found myself in a window seat of a Delta DC-9 flying
> from Atlanta to Washington, D C. About halfway through the
> flight, I decided to check out my Garmin 45. It had been used last in
> the South Florida area. I placed the antenna next to the window and
> after about five minutes it began to acquire satellites.

>
> Even with the encouragement a couple attractive flight attendants,
> the unit would not lock, not even after displaying signals
> from five satellites. Kind of disappointing. Does anyone know why it
> did not work?? Has anyone had success?
>
> I was assigned an isle seat on the return trip.
>
>
> Joe Novak
> star@pbfreenet.seflin.lib.fl.us
>

From jagrelo@cris.com Wed Jun 19 14:47:18 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id OAA25903 for <aprssig@tapr.org>; Wed, 19 Jun 1996
14:47:07 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/11 2.45))
id PAA17886; Wed, 19 Jun 1996 15:46:15 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059038.concentric.net [206.83.77.38])
by darius.cris.com (8.7.3)
id PAA18804; Wed, 19 Jun 1996 15:29:59 -0400 (EDT)
Message-ID: <31C8802E.742E@concentric.net>
Date: Wed, 19 Jun 1996 15:33:18 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2165] Joining the mile-high club
References: <Pine.3.89.9606191329.A13506-0100000@pbfreenet.seflin.lib.fl.us>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joseph Novak wrote:

>
> Last week I found myself in a window seat of a Delta DC-9 flying
> from Atlanta to Washington, D C. About halfway through the
> flight, I decided to check out my Garmin 45. It had been used last in
> the South Florida area. I placed the antenna next to the window and
> after about five minutes it began to acquire satellites.
>
> Even with the encouragement a couple attractive flight attendants,
> the unit would not lock, not even after displaying signals
> from five satellites. Kind of disappointing. Does anyone know why it
> did not work?? Has anyone had success?
>
> I was assigned an isle seat on the return trip.
>
>

> Joe Novak
> star@pbfreenet.seflin.lib.fl.us

My semi-educated guess would be that 1)you were traveling too fast for the GPS-45, 2)I think the limit of speed in the GPS-45 is 100 knots or something like that.3)The aircrafts metal body was hindering the signal. By the way, I'm suprised you didn't get in trouble for firing it up in the sky.

Anyway, that's my 2 cents worth, not a penny less, or a penny more, hi.
And you know what 2 cents can buy these days;-)

73 De Joe N200C

XX

Agrelo Engineering
Joe Agrelo/President
(518)381-1057
(518)381-1058

E-Mail: Jagrelo@concentric.net

WEB: <http://home.navisoft.com/agrelo/ae.htm>

Designer & Manufacturer of intelligent microprocessor
based Doppler and talking products

Experts in Microchip & Motorola processors

XX

From rgeer@physio-control.com Wed Jun 19 15:07:36 1996

Received: from redbarn ([192.31.209.65]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP
id PAA27053 for <aprssig@tapr.org>; Wed, 19 Jun 1996 15:07:33 -0500 (CDT)

Received: from physio-control.com ([40.169.12.20]) by redbarn (4.1/SMI-4.1)
id AA09013; Wed, 19 Jun 96 13:12:58 PDT

Received: from einstein.physio-control by physio-control.com (4.1/SMI-4.1)
id AA18665; Wed, 19 Jun 96 13:06:54 PDT

Date: Wed, 19 Jun 96 13:06:54 PDT

From: rgeer@physio-control.com (Gumby)

Message-Id: <9606192006.AA18665@physio-control.com>

To: aprssig@tapr.org

Subject: Re: Joining the mile-high club

On Wed, 19 Jun 1996, Joseph Novak <star@pbfreenet.seflin.lib.fl.us> said

[Stuff removed to save bandwidth]

> I placed the antenna next to the window and
> after about five minutes it began to acquire satellites.
>

> Even with the encouragement a couple attractive flight attendants,
> the unit would not lock, not even after displaying signals
> from five satellites. Kind of disappointing. Does anyone know why it
> did not work?? Has anyone had success?

I believe the 45 has a 99 knot speed limit built into it.
(Very disappointing)

From ttyamada@CCGATE.HAC.COM Wed Jun 19 16:10:12 1996

Received: from igate1.hac.com (igate1.HAC.COM [192.48.33.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA00602 for <aprssig@tapr.org>; Wed, 19 Jun 1996 16:10:04 -0500 (CDT)
From: ttyamada@CCGATE.HAC.COM
Received: from ises01.ES.HAC.COM ([147.16.5.2]) by igate1.hac.com (4.1/SMI-4.1) id AA01793; Wed, 19 Jun 96 14:07:17 PDT
Received: by ises01.ES.HAC.COM; id AA27383; Wed, 19 Jun 1996 14:09:46 -0700
Received: from cc:Mail by CCGATE.HAC.COM id AA835218607; Wed, 19 Jun 96 14:01:31 PST
Date: Wed, 19 Jun 96 14:01:31 PST
Encoding: 33 Text
Message-Id: <9605198352.AA835218607@CCGATE.HAC.COM>
To: aprssig@tapr.org
Subject: [APRSSIG:2169] Re: Help with GPS-75 and mobile setup needed

>Hello all,
>
>Looking for some info on the Garmin GPS-75, specifically the
>connection information for the cable (I know the red and black are
>+12VDC and ground respectively), I need to know the data out leads,
>are they brown and white? What are the Blue and Red w/Blk trace
>leads?

>Also, has anyone connected a TNC to a TM-742A and if so any
>hints/kinks? I plan to make all connections to the rig thru the RJ-45
>connector.
>
>My complete mobile setup will be;
>
>Kenwood TM-742A
>Kantronics KPC-3 w/Ver 5.0 firmware

You might check to see if 5.0 firmware has the GPS option.
I thought it was V6.0???

>Garmin GPS-75 rev ?? firmware
>Agrelo DFjr w/Multi-port adapter
>IBM Thinkpad 701C running DOS APRS 76d TEKK KS-960 UHF Data radio
>(9600 ready)
>
>Any help would be appreciated.
>
>thanks, Bob

Ted (KJ6ZJ)

From Al@w6dnt.ampr.org Wed Jun 19 16:14:13 1996
Received: from vk2xoc.ampr.org (vhf433.vk2xoc.ampr.org [44.4.94.32]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA00670 for <aprssig@tapr.org>; Wed, 19 Jun 1996 16:13:56 -0500 (CDT)

Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Mike Walker sez:

>
> If you are using os/2 and are attempting to access com4, you don't need to
> address it as x'2e8' (I think this is the standard address). I use an ATI
> Mach 64 card and had to change my com 4. I found that x'1e8' does me just
> fine. My modem runs off that port at irq 11.

True enough

>...

> Some os/2 shareware programs allow you to move your mouse up to com3 or above
> so you can free up 1 and 2 for dos applications.

You can make this change in the config.sys file (well documented online).
Works good.

gerry

From wmn3@dfw.net Wed Jun 19 17:58:16 1996
Received: from dfw.dfw.net (root@dfw.dfw.net [198.175.15.10]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA05309 for <aprssig@tapr.org>; Wed, 19 Jun 1996
17:58:14 -0500 (CDT)
Received: from PPP13.fortworth.dfw.net (PPP20.fortworth.dfw.net) by dfw.dfw.net
(4.1/SMI-4.1)
id AA14224; Wed, 19 Jun 96 17:56:37 CDT
Date: Wed, 19 Jun 96 17:56:36 CDT
Message-Id: <9606192256.AA14224@dfw.dfw.net>
X-Sender: wmn3@dfw.net
X-Mailer: Windows Eudora Pro Version 2.1.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: William Neal <wmn3@dfw.net>
Subject: Re: MIC-E & Repeaters

At 11:42 AM 6/19/96 -0500, David E. Barrett wrote:

>
>
>And we're back where we started - I'll reiterate that I don't like mixing
>analog voice and data on the same channel without the data content being
>completely transparent to voice users who aren't participating in the data
>system.
>
>I'm probably all wet with the suggestion I'm about to offer to mixing APRS
data burst's on voice
>and it may be due to not enough range in the audio spectrum. Why not use
modified TNC's that
---SNIP!

Ok, I can see all sides here. But if we use CTCSS then those with UN-modified TNC's can't play easily... Also, on a simplex net, if you're using a radio without a S-meter, you can't easily tell if a station is transmitting if it's using CTCSS instead of the standard audible tones TNC's use. I agree though, that a faster "audiable" data rate would be a good thing. But I can't expect manufacturers of TNC's to change the "standard" 1200 baud rate anytime soon.

Lets imagine a small scale use of the Mic-Encoder. 15 - 25 stations participating in a Search & Rescue simplex net. Just having a Mic-E on each radio would cut down on standard voice transmissions by a significant number. Thereby leaving the channel fairly free for queries and emergency info.

I know that a LOT of traffic is passed regarding, "Where are you", "Leaving/Returning to Base", and the ever exciting every 1/2 hour "Are you OK" report. As a Net Control Station, having each station report in automatically and having someone able to push a button to report standardized info, would save me a lot of work.

Cheers, Bill Neal - N0NSA

From fwinder@one.net Wed Jun 19 17:59:46 1996
Received: from mail.one.net (mail.one.net [206.112.192.107]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA05349 for <aprssig@tapr.org>; Wed, 19 Jun 1996 17:59:44 -0500 (CDT)
Received: from jhw.access.one.net (port-4-9.access.one.net [206.112.193.109]) by mail.one.net (8.7.5/8.6.9) with SMTP id SAA18520 for <aprssig@tapr.org>; Wed, 19 Jun 1996 18:59:33 -0400
Date: Wed, 19 Jun 1996 18:59:33 -0400
Message-Id: <199606192259.SAA18520@mail.one.net>
X-Sender: fwinder@mail.one.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Farrell Winder <fwinder@one.net>
Subject: Gateway Near El Paso, TX (VHF)

Does anyone know of an active GATE near El Paso? I am trying to contact my son KB8VCO who is in the El Paso/Juarez area for next 3 weeks. He is VHF only. Thanks.

From gerry@cs.tamu.edu Wed Jun 19 18:21:13 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA06609 for <aprssig@tapr.org>; Wed, 19 Jun 1996 18:21:11 -0500 (CDT)
Received: from solar.cs.tamu.edu (solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id SAA13877 for <aprssig@tapr.org>; Wed, 19 Jun 1996 18:20:47 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id SAA19113 for aprssig@tapr.org; Wed, 19 Jun 1996 18:19:06 -0500
Message-Id: <199606192319.SAA19113@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:2174] Re: HOW ACCURATE is the clock?

To: aprssig@tapr.org

Date: Wed, 19 Jun 1996 18:19:06 -0500 (CDT)

In-Reply-To: <214@w6dnt.ampr.org> from "Al Chan - W6DNT" at Jun 19, 96 04:29:50 pm

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Al Chan - W6DNT sez:

>

> I understand that without the dithering, the accuracy of position
> determination is within a few centimeters. How can it be that accurate if
> the satellites don't know exactly where they are? Within only 20 or so
> meters?

>

> Please enlighten me.

1. You use L1/L2 correlations to model and subsequently cancel the effects of the ionosphere on propagation. Or you apply a locally derived model in post-processing.

2. You place a base station on a precisely surveyed point, and have it derive corrections to the satellite determined pseudorange and pseudorange rates for each spacecraft.

3. You apply these corrections, either in real time or via post processing to the data collected.

4. You collect point data for some period of time, say, 20 minutes, to allow both the roving receiver and the base to have an opportunity to collect adequate data from at least 4, and preferably more, satellites over common time periods. The 20 minute number is a Trimble Survey recommendation for Fast Static survey work.

5. You obtain and apply precise ephemeris data to the received data, and incorporate that into your post-processing.

Takes time. And money. The hardware we use is on the \$12k-\$40k range, depending on accuracies we expect.

Gerry

From KD4EMI@aol.com Wed Jun 19 18:33:42 1996

Received: from emout19.mail.aol.com (emout19.mx.aol.com [198.81.11.45]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA07432 for <aprssig@tapr.org>; Wed, 19 Jun 1996 18:33:40 -0500 (CDT)

From: KD4EMI@aol.com

Received: by emout19.mail.aol.com (8.6.12/8.6.12) id TAA10214 for aprssig@tapr.org; Wed, 19 Jun 1996 19:18:05 -0400

Date: Wed, 19 Jun 1996 19:18:05 -0400

Message-ID: <960619191804_417656929@emout19.mail.aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2132] Re: Stamp controller for ICOM available

In a message dated 96-06-19 10:29:06 EDT, you write:

>
>Not really. The 720A *is* computer controllable, *and* does use the ICOM
>*standard* interface (albiet, the ICOM standard that was in effect at the
>time the 720A's where manufactured - c. 1980). It's a *binary-digital*
>interface via a bank of data-lines at the rear of the unit. Obviously,
>this is not RS-223. There have been computer interface systems designed
>and published for the unit.

>
>73,
>
>

The Icom uses Rs232 TYPE interface and they sell you a CIV unit to make more money. You can easily convert the levels. I think MFJ sells them now. About \$24.00. I guess everyone thinks they need the converter...
Thats why they sell more..

Mike

From Lew.Midlam@pobox.com Wed Jun 19 18:36:22 1996
Received: from perseus.peganet.com (root@perseus.peganet.com [206.102.200.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA07630 for <aprssig@tapr.org>; Wed, 19 Jun 1996 18:36:20 -0500 (CDT)
Received: from Peganet.peganet.com (peg6-ts81.peganet.com [206.102.200.183]) by perseus.peganet.com (8.6.12/8.6.9) with SMTP id TAA28454 for <aprssig@tapr.org>; Wed, 19 Jun 1996 19:42:12 -0400
Message-ID: <31C88EEA.6B5E@pobox.com>
Date: Wed, 19 Jun 1996 19:36:10 -0400
From: Lew Midlam <Lew.Midlam@pobox.com>
Reply-To: Lew.Midlam@pobox.com
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2162] Help with GPS-75 and mobile setup needed
References: <31C82A40.85A@cyberenet.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Derderian wrote:

>
> Hello all,
>
> Looking for some info on the Garmin GPS-75, specifically the connection
> information for the cable (I know the red and black are +12VDC and
> ground respectively), I need to know the data out leads, are they brown
> and white? What are the Blue and Red w/Blk trace leads?
>
> Also, has anyone connected a TNC to a TM-742A and if so any hints/kinks?
> I plan to make all connections to the rig thru the RJ-45 connector.

>
> My complete mobile setup will be;
>
> Kenwood TM-742A
> Kantronics KPC-3 w/Ver 5.0 firmware
> Garmin GPS-75 rev ?? firmware
> Agrelo DFjr w/Multi-port adapter
> IBM Thinkpad 701C running DOS APRS 76d
> TEKK KS-960 UHF Data radio (9600 ready)
>
> Any help would be appreciated.
>
> thanks, Bob

Red - 4 to 40 VDC Power Input
Black - Ground
Blue - External Alarm
Brown - Data Output
White - Data Input
Red/Black - No Connect

Hope this helps.
-Lew - W7LVW

From fmcjunki@cks.ssd.k12.wa.us Wed Jun 19 19:03:07 1996
Received: from ssd.k12.wa.us (cks.ssd.k12.wa.us [198.104.244.101]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA09222 for <aprssig@tapr.org>; Wed, 19 Jun 1996
19:03:05 -0500 (CDT)
Received: from localhost by ssd.k12.wa.us (4.1/SMI-4.1)
id AA06294; Wed, 19 Jun 96 16:57:30 PDT
Date: Wed, 19 Jun 1996 16:57:29 -0700 (PDT)
From: Frank McJunkins <fmcjunki@cks.ssd.k12.wa.us>
X-Sender: fmcjunki@cks
To: n2iph@cyberenet.net
Cc: aprssig@tapr.org
Subject: Garmin 75 cabling info
Message-Id: <Pine.SUN.3.92.960619165000.6207A-1000000@cks>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Pin 1/RED +4 to 40 VDC
Pin 2/BLACK Ground
Pin 3/BLOCK External alarm
Pin 4/BROWN Data output
Pin 5/WHITE Data input
Pin 6/RED-BLOCK No connect

When hooking up an external alarm, my diagram shows that the + side of the external alarm device is hooked to B+, and the ground side of the external alarm device is hooked to the BLUE (External alarm) wire. They also show that data output (data TO a NMEA device) is through BROWN and the wire is grounded with BLACK hooked to the shield/return of the data output line.

I also note that the book later says that B+ can be 5 to 40 volts DC. I haven't run mine under 12 yet. It also stated that the external alarm or relay supply maximum is 100 ma. and anything over 100ma may damage the Garmin 75. Note that the Garmin 75 will supply NMEA 0183 but NOT the type 2.0 signal needed to drive the KD6... 2x16 line display discussed on this sig. (I learned the hard way).

Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916

From amirault@laraby.tiac.net Wed Jun 19 19:41:16 1996
Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA11551 for <aprssig@tapr.org>; Wed, 19 Jun 1996 19:41:14 -0500 (CDT)
Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id UAA22870; Wed, 19 Jun 1996 20:41:21 -0400
Date: Wed, 19 Jun 1996 20:41:21 -0400 (EDT)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2165] Joining the mile-high club
In-Reply-To: <Pine.3.89.9606191329.A13506-01000000@pbfree.net.seflin.lib.fl.us>
Message-ID: <Pine.BSF.3.91.960619203655.22067H-1000000@laraby.tiac.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Jun 1996, Joseph Novak wrote:

> Last week I found myself in a window seat of a Delta DC-9 flying
> from Atlanta to Washington, D C. About halfway through the
> flight, I decided to check out my Garmin 45. It had been used last in
> the South Florida area. I placed the antenna next to the window and
> after about five minutes it began to acquire satellites.
>
> Even with the encouragement a couple attractive flight attendants,
> the unit would not lock, not even after displaying signals
> from five satellites. Kind of disappointing. Does anyone know why it
> did not work?? Has anyone had success?

Ths 45 will not work above 99 knots.

IMPORTANT: You are not allowed (by law) to use any electronic equipment on a airliner unless specific permission has been given by the airline operator. (NOTE: the "operator" of the airline is *not* the pilot, it is the company) The specific permission is usually a list of permissable devices (laptop computers and so on)

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From jratchf@bulldog.afsc.k12.ar.us Wed Jun 19 19:41:40 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA11571 for <aprssig@tapr.org>; Wed, 19 Jun 1996 19:41:36 -0500 (CDT)
Received: from jratchf.bulldog.afsc.k12.ar.us (slip7.afsc.k12.ar.us

[170.211.157.181]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id TAA15182 for <aprssig@tapr.org>; Wed, 19 Jun 1996 19:41:23 -0500
Message-Id: <199606200041.TAA15182@bulldog.afsc.k12.ar.us>
From: "J. Scott Ratchford, KC5JGV" <jratchf@bulldog.afsc.k12.ar.us>
To: <aprssig@tapr.org>
Subject: Re: [APRSSIG:2173] Re: Help with GPS-75 and mobile setup needed
Date: Wed, 19 Jun 1996 19:40:22 -0500
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1085
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> >Looking for some info on the Garmin GPS-75, specifically the
> >connection information for the cable (I know the red and black are

> >+12VDC and ground respectively), I need to know the data out
leads,
> >are they brown and white? What are the Blue and Red w/Blk trace
> >leads?

OK here is the scoop. The brown is data + out. Red is 5-40vdc + in. Black is Ground for BOTH the unit and data - out! Blue is an alarm (negative) 100 mA max. White and the Red/Black are "for future use".

Hope that helps.

--
KC5JGV
Marshall, Arkansas

From n2czf@magg.net Wed Jun 19 20:07:11 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id UAA12646 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:07:09 -0500 (CDT)
Received: from Cybergate (wpb-160.magg.net [205.218.112.160]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id UAA09108 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:58:31 -0400
Date: Wed, 19 Jun 1996 20:58:31 -0400
Message-Id: <199606200058.UAA09108@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: Re: [APRSSIG:2176] Re: MIC-E & Repeaters/Rescue

I think that this is a great idea not only for APRS but for amateur radio. I have been a ham now for 19 years and have seen the decline we have

previously spoken about with Public Safty units needing us. I have also been a Sheriff's Deputy, and EMT over those years and acted as a volunteer for Forrest Fire Services, Search and Rescue (High Angle Rescue), and Emergency Management. We need to change with the times and involving ourselves with the actual org. is probably needed for Amateur Emergency Communications to survive. The mic encoder (heck even a GPS back then) sure would have helped on many a search!

I know I opened a can of worms... Let 'er rip

*** snip***

> Lets imagine a small scale use of the Mic-Encoder. 15 - 25 stations
> participating in a Search & Rescue simplex net. Just having a Mic-E on each
> radio would cut down on standard voice transmissions by a significant
> number. Thereby leaving the channel fairly free for queries and emergency
> info.

>

> I know that a LOT of traffic is passed regarding, "Where are you",
> "Leaving/Returning to Base", and the ever exciting every 1/2 hour "Are you
> OK" report. As a Net Control Station, having each station report in
> automatically and having someone able to push a button to report
> standardized info, would save me a lot of work.

>

> Cheers, Bill Neal - N0NSA

>

>

73's Rich N2CZF

n2czf@magg.net

Jupiter Farms Florida EL96

From jbledsoe@flash.net Wed Jun 19 20:20:41 1996

Received: from defiant ([208.194.223.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP
id UAA13337 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:20:36 -0500 (CDT)

Received: from [208.194.194.128] (p3-128.flash.net [208.194.194.128]) by defiant
(8.6.12/8.6.9) with SMTP id UAA24536 for <aprssig@tapr.org>; Wed, 19 Jun 1996
20:20:29 -0500

Date: Wed, 19 Jun 1996 20:20:29 -0500

Message-Id: <199606200120.UAA24536@defiant>

Subject: Re: [APRSSIG:2152] Ignition noise !help!

From: Jeffrey Bledsoe <jbledsoe@flash.net>

To: "TAPR APRS Special Interest Group" <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Joe,

I'm not a mobile packeteer, not yet anyway. I did have trouble about two years ago with a 2-m transceiver whose 2-conductor power cable I routed next to the factory harness along the right front of my Toyota pickup out to the battery terminals. It was a nice installation since it was hidden under the fender splash guard, I didn't have to drill any holes, etc., etc. But the alternator whine was real bad. I should

have twisted the pair of wires and routed it away from the harness.
Hind sight!

Before abandoning the "nice" installation job, I tried one of those Kenwood 15 Amp inline filters. Couldn't tell any difference. Then I referred to a Grounding and Shielding Shortcourse Handbook from Professor VanDoren at the University of Missouri-Rolla (one of my alma maters). UMR's url: <http://www.ee.umr.edu>

To make a long story short, I resorted to a "local" ground for the transceiver and the noise was no longer audible to me or my contacts. Being the fuss-budget that I am and not wanting to cut the radio's pigtail or harness, I left the filter inline (the vendor would not let me return it anyway) and cut the ground lead that bypasses the inductor. Thus, I will have a nice clean installation for another (future?) radio should it not require the local ground for noise reduction.

I don't know where you are getting your ground or where your fuse box is located (under dash or under hood?). If you are routing the power wiring near noise sources such as engine controllers or ignition/alternator harnesses, you might try a different routing path and/or a different ground location (i.e., a frame ground vice a connection directly to the negative battery terminal) before investing in filters.

Good luck & 73,

Jeff Bledsoe/N5YMV

Jeffrey Patton Bledsoe, PE
Laura Ellen Bledsoe, DE (Domestic Engineer)
1321 W. Charles
Weatherford, TX 76086-5014

(817) 613-0534 (Home, Fort Worth Metro); (817) 777-4196 (W)

--
Viva Macintosh!

--
Amateur Radio Callsigns: N5YMV (Jeff), KB5TMT (Laura)
email: jbledsoe@flash.net
alternate email: j.bledsoe@ieee.org (put this one in your address book please)
website: <http://www.flash.net/~jbledsoe>

From thrwlx00@ccmail.ca.boeing.com Wed Jun 19 20:30:57 1996

Received: from atc.boeing.com (atc.boeing.com [130.42.28.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA13562 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:30:55 -0500 (CDT)
From: thrwlx00@ccmail.ca.boeing.com
Received: by atc.boeing.com (5.65/splinter.boeing.com) id AA10532; Wed, 19 Jun 1996 18:29:20 -0700
Received: from ccmail.ca.boeing.com by splinter.boeing.com with SMTP (1.37.109.16/16.2) id AA049474212; Wed, 19 Jun 1996 18:30:12 -0700
Received: from cc:Mail by ccmail.ca.boeing.com id AA835233523; Wed, 19 Jun 96 15:42:40 PST
Date: Wed, 19 Jun 96 15:42:40 PST
Message-Id: <9605198352.AA835233523@ccmail.ca.boeing.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2165] Joining the mile-high club

My understanding is that the GPS-45 is internally disabled at speeds above 90 mph (to preclude its use by the private aviation folks, who are forced to by a more suitable (read pricier) model).

Subject: [APRSSIG:2165] Joining the mile-high club
From: aprssig@tapr.org at esdigate
Date: 6/19/96 11:44 AM

Last week I found myself in a window seat of a Delta DC-9 flying from Atlanta to Washington, D C. About halfway through the flight, I decided to check out my Garmin 45. It had been used last in the South Florida area. I placed the antenna next to the window and after about five minutes it began to acquire satellites.

Even with the encouragement a couple attractive flight attendants, the unit would not lock, not even after displaying signals from five satellites. Kind of disappointing. Does anyone know why it did not work?? Has anyone had success?

I was assigned an isle seat on the return trip.

Joe Novak
star@pbfree.net.seflin.lib.fl.us

From z004391b@bcfree.net.seflin.lib.fl.us Wed Jun 19 20:31:10 1996
Received: from pbfree.net.seflin.lib.fl.us (root@pbfree.net.seflin.lib.fl.us [199.227.192.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA13561 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:30:54 -0500 (CDT)
Received: from bcfree.net.seflin.lib.fl.us (z004391b@bcfree.net.seflin.lib.fl.us [199.227.192.20]) by pbfree.net.seflin.lib.fl.us (8.6.12/8.6.12) with ESMTP id VAA04711 for <aprssig@tapr.org>; Wed, 19 Jun 1996 21:29:45 -0400
Received: (from z004391b@localhost) by bcfree.net.seflin.lib.fl.us (8.6.12/8.6.12) id VAA00884; Wed, 19 Jun 1996 21:29:47 -0400
Date: Wed, 19 Jun 1996 21:29:47 -0400 (EDT)
From: John W Wilson <z004391b@bcfree.net.seflin.lib.fl.us>

Subject: Re: [APRSSIG:2162] Help with GPS-75 and mobile setup needed
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <31C82A40.85A@cyberenet.net>
Message-ID: <Pine.3.89.9606192122.A26391-0100000@bcfreenet.seflin.lib.fl.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you know the GND wire then you can usually find the RX (receive data) wire with a scope or even a meter. A scope is easy. Just ground the ground lead to the ground pin and touch each other wire in the bunch. If all you have is a meter then look for the lead that seems instable. That is most likely the data out wire.

The Garmin also has a data in wire which will be stable.
The wire connector for the Garmin is:

1. Red: 4 - 40 VDC
2. Black: Ground
3. Blue: External Alarm
4. Brown: Data output
5. White: Data input
6. Red/Blk: no connect

73,

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Wed, 19 Jun 1996, Bob Derderian wrote:

> Hello all,
>
> Looking for some info on the Garmin GPS-75, specifically the connection
> information for the cable (I know the red and black are +12VDC and
> ground respectively), I need to know the data out leads, are they brown
> and white? What are the Blue and Red w/Blk trace leads?
>
> Also, has anyone connected a TNC to a TM-742A and if so any hints/kinks?
> I plan to make all connections to the rig thru the RJ-45 connector.
>
> My complete mobile setup will be;
>
> Kenwood TM-742A
> Kantronics KPC-3 w/Ver 5.0 firmware
> Garmin GPS-75 rev ?? firmware
> Agrelo DFjr w/Multi-port adapter
> IBM Thinkpad 701C running DOS APRS 76d
> TEKK KS-960 UHF Data radio (9600 ready)
>
> Any help would be appreciated.
>

> thanks, Bob
>

From Lew.Midlam@pobox.com Wed Jun 19 20:51:10 1996
Received: from perseus.peganet.com (root@perseus.peganet.com [206.102.200.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA14979 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:51:09 -0500 (CDT)
Received: from Peganet.peganet.com (peg6-ts81.peganet.com [206.102.200.183]) by perseus.peganet.com (8.6.12/8.6.9) with SMTP id VAA07841 for <aprssig@tapr.org>; Wed, 19 Jun 1996 21:57:04 -0400
Message-ID: <31C8AE85.1029@pobox.com>
Date: Wed, 19 Jun 1996 21:51:01 -0400
From: Lew Midlam <Lew.Midlam@pobox.com>
Reply-To: Lew.Midlam@pobox.com
X-Mailer: Mozilla 3.0b4 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2181] Garmin 75 cabling info
References: <Pine.SUN.3.92.960619165000.6207A-100000@cks>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Frank McJunkins wrote:

Note that the Garmin 75 will supply NMEA 0183 but NOT the type
> 2.0 signal needed to drive the KD6... 2x16 line display discussed on this
> sig.

I'm not sure what the "KD6... 2x16 line" is, but my GPS-75 with software version 2.33 DOES output NMEA version 2.0.

-Lew

From ku0g@sprynet.com Wed Jun 19 20:51:25 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA14997 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:51:21 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.151.36] (dd09-036.compuserve.com [199.174.151.36]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id SAA00800 for <aprssig@tapr.org>; Wed, 19 Jun 1996 18:49:09 -0700
Date: Wed, 19 Jun 1996 18:49:09 -0700
Message-Id: <199606200149.SAA00800@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2161] Re: MIC-E & Repeaters
To: aprssig@tapr.org
In-Reply-To: <01BB5DD0.972EFB80@ppp-103.cedar-rapids.lib.ia.us>
X-Mailer: SPRY Mail Version: 04.00.06.21

David...Please check your mailer. You're sending unknown.tmp attachments with every message you post....

Sounds like Microsoft problem that Gwyn had...

Best 73,

Jim Duncan, KU0G

APRS--Kansas City Coordinator

EMail: ku0g@sprynet.com

From ku0g@sprynet.com Wed Jun 19 20:54:43 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA15100 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:54:38 -0500 (CDT)

From: ku0g@sprynet.com

Received: from [199.174.151.36] (dd09-036.compuserve.com [199.174.151.36]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id SAA01634 for <aprssig@tapr.org>; Wed, 19 Jun 1996 18:52:32 -0700

Date: Wed, 19 Jun 1996 18:52:32 -0700

Message-Id: <199606200152.SAA01634@m1.sprynet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:2165] Joining the mile-high club

To: aprssig@tapr.org

In-Reply-To: <Pine.3.89.9606191329.A13506-0100000@pbfreenet.seflin.lib.fl.us>

X-Mailer: SPRY Mail Version: 04.00.06.21

First, you're VERY lucky it didn't get confiscated..

Second, the GPS-45 will NOT go aeronautical mobile as it has a maximum speed of 99 knots. The unit will still act like it's receiving, as you noted, but it will NOT generate data. There is also an altitude limit that is built in but I can't remember what that is....

Best 73,

Jim Duncan, KU0G

APRS--Kansas City Coordinator

EMail: ku0g@sprynet.com

From ke4eer@worldnet.att.net Wed Jun 19 21:01:22 1996

Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA15478 for <aprssig@tapr.org>; Wed, 19 Jun 1996 21:01:16 -0500 (CDT)

Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id CAA24613; Thu, 20 Jun 1996 02:01:41 GMT

Received: from 249.dallas-1.tx.dial-access.att.net(199.69.132.249) by mailhost.worldnet.att.net with SMTP id A24499; Thu Jun 20 02:01:34 1996

Message-ID: <31C8CCC2.1353@worldnet.att.net>

Date: Wed, 19 Jun 1996 21:00:02 -0700

From: William Nolle <ke4eer@worldnet.att.net>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org
Subject: Maps
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In case anyone is interested i have just made some detailed maps for the following city's and towns for the TNNMID.MAP.

Brentwood
Columbia
Franklin
Gallatin
La Vergne
Lawrenceburg
Lebanon
Murfreesburo

I'm also making detailed maps all the way down I65 from Nashville to the Alabama state line. The above city's and towns are outlined by little yellow boxes on the TNNMID.MAP. I figured i would post this here since someone will surely give my friend KE4ROC credit for making these Hi Hi. By the way as you can see i changed e-mail addresses again.

--

Bill KE4EER
ke4eer@worldnet.att.net
Yes i switched again Hi

From bruninga@nadm.navy.mil Wed Jun 19 21:12:27 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA16144 for <aprssig@tapr.org>; Wed, 19 Jun 1996 21:12:22 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id WAA00634; Wed, 19 Jun 1996 22:13:16 -0400
Date: Wed, 19 Jun 1996 22:13:15 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: APRS on STS-78 Tomorrow! (fwd)
Message-ID: <Pine.SUN.3.91.960619221124.29884D-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

SAREX supports APRS!

Get ready guys, and spread the word. APRS is permitted via the SAREX ROBOT during the long duration mission launching Thursday morning. Although it is doubtful that SAREX will be activated for several hours, By Friday, you should consider leaving your APRS station on while you are at work, to see if you capture any APRS packets via the Shuttle. Most passes will be daylight passes. This Weekend (Field Day) will be a Zoo for sure!

DOWNLINK 145.55
UPLINK 144.49

***** MAKE ABSOLUTELY CERTAIN THAT YOU ARE NOT TRANSMITTING on 145.55!

If you are a home QTH, then I would use the SPACE mode which will put you on the map in grid square mode (no ICONS) with the shortest possible packet.

If you are Mobile, then I would use the standard APRS format, so that everyone will see your MOBILE ICON and your speed!

If APRS works well, and things are looking good, then I think those of us that are GPS mobile should take it as a challenge to get an APRS MOBILE packet through. I will see if we can't get some kind of special "GPS MOBILE" list for special recognition...

***** REMEMBER TO SET YOUR MOBILE TO TRANSMIT ON 144.49 MHz.

Note, your chance of hitting the Shuttle mobile with 50 watts is about the same as from your QTH omni antenna no matter how high it is, since both are line-of-sight to the shuttle. The mobile does NOT have its usual height disadvantage. And it even has a much lower loss cable run...

Another advantage of operating from your GPS mobile is that you will produce significantly less QRM to other local stations who may not appreciate your APRS posit...

de wb4apr@amsat.org

From rsellers@misha.net Wed Jun 19 22:19:25 1996
Received: from misha.net (delta.www.com [204.120.206.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA20767 for <aprssig@tapr.org>; Wed, 19 Jun 1996 22:19:23 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4) id WAA25896; Wed, 19 Jun 1996 22:19:18 -0500
Date: Wed, 19 Jun 1996 22:19:18 -0500
Message-Id: <199606200319.WAA25896@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:2165] Joining the mile-high club

>Even with the encouragement a couple attractive flight attendants,
>the unit would not lock, not even after displaying signals
>from five satellites. Kind of disappointing. Does anyone know why it
>did not work?? Has anyone had success?

>

>I was assigned an isle seat on the return trip.

>

It didn't work because the plane was travelling in excess of 99 miles per

hour. If you were watching it as you landed, as soon as the plane came under the 99 MPH limitation you would be seeing data. The Garmin 45 has a speed limit built into it. There's no way around it as far as I know of. BTW, this was a detailed topic here a few weeks back.

73,

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From ku0g@sprynet.com Wed Jun 19 22:20:02 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA20785 for <aprssig@tapr.org>; Wed, 19 Jun 1996 22:19:59 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.151.36] (dd09-036.compuserve.com [199.174.151.36]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA21659 for <aprssig@tapr.org>; Wed, 19 Jun 1996 20:17:52 -0700
Date: Wed, 19 Jun 1996 20:17:52 -0700
Message-Id: <199606200317.UAA21659@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2180] Re: Help with GPS-75 and mobile setup needed
To: aprssig@tapr.org
In-Reply-To: <31C88EEA.6B5E@pobox.com>
X-Mailer: SPRY Mail Version: 04.00.06.21

I don't think version 5.0 firmware in the KPC-3 is GPS ready, is it? Thought it was version 6.0 that was the GPS version...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From bruninga@nadn.navy.mil Wed Jun 19 23:48:49 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA25657 for <aprssig@tapr.org>; Wed, 19 Jun 1996 23:48:47 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id AAA02207; Thu, 20 Jun 1996 00:49:42 -0400
Date: Thu, 20 Jun 1996 00:49:41 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: WIsconsin map
Message-ID: <Pine.SUN.3.91.960620004720.2168B-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just made a 38 mile map of West WIsconsin centered near Sparta.
It is posted as wiwest.zip (one map only).

It shuld be entered into your MAPLIST as

WIwest.map,43.83,90.67,38,

Is there a Wisconsin Map distro?

de wb4apr@amsat.org

From wbliss@coastside.net Thu Jun 20 00:07:29 1996

Received: from poseidon (poseidon.coastside.net [205.162.38.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA29312 for <aprssig@tapr.org>; Thu, 20 Jun 1996 00:07:23 -0500 (CDT)

Received: from LOCALNAME (tsvr1-s4.coastside.com [205.162.38.68]) by poseidon (8.6.11/8.6.12) with SMTP id WAA02105 for <aprssig@tapr.org>; Wed, 19 Jun 1996 22:03:11 -0700

Date: Wed, 19 Jun 1996 22:03:11 -0700

Message-Id: <199606200503.WAA02105@poseidon>

X-Sender: wbliss@mail.coastside.net (Unverified)

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: "William B. Bliss/WB6LPG" <wbliss@coastside.net>

Subject: Ignition or RF Noise, re MX4200

Attn: Joe DeVille..and all Magnovox MX-4200 GPS Users..

Have found the subj GPS MX4200 to be generating considerable RF interference to adjacent VHF receivers. Using PK-12, easy to set up for GPS use, Alinco DR1200T adjacent to the MX4200. Get a full scale signal strength reading on the DR1200T and have Squelch set real high, and do not hear numerous APRS packets, on our 145.01 operating frequency.

My old Kenwood TR7600 for voice on 147.285 about 2-3 feet away from the MX4200, has a half scale S-Meter reading when the MX4200 GPS is powerd up. and very poor voice reception except on very strong signals.

Turn off the GPS and reception and signal strength indications on both the DR1200 and TR7600 disappears and reception is normal.

Suggest moving your MX4200 as far away as possible, going to try it, or check and see if tha GPS is the cause of reception problems. Also it will send the GGA sentence, but not the GVT sentence. This is a borrowed GPS.

No similar problems with Garmin-45 or Motorola/Traxar GPS, connected for Stand Alone tracking.

Anyone else have similar problems with the MX4200..???? Advise

73's & Enjoy, Bill/WB6LPG

NNNN

WBB/WB6LPG

From alan@watsun.cc.columbia.edu Thu Jun 20 01:16:10 1996

Received: from manila.cc.columbia.edu (manila.cc.columbia.edu [128.59.39.200]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id BAA03669 for <aprssig@tapr.org>; Thu, 20 Jun 1996 01:16:07 -0500 (CDT)

Received: (from alan@localhost) by manila.cc.columbia.edu (8.7.5/8.7.3) id CAA06788 for aprssig@tapr.org; Thu, 20 Jun 1996 02:16:05 -0400 (EDT)
Date: Thu, 20 Jun 96 2:16:05 EDT
From: Alan Crosswell <alan@watsun.cc.columbia.edu>
To: aprssig@tapr.org
Subject: tig2aprs: Tiger -> APRS Unix utility
Message-ID: <CMM.0.90.4.835251365.alan@manila.cc.columbia.edu>

Source code for my US Census TIGER/Line 1994 to DOS APRS format maps program is now pointed to by:

<http://www.cloud9.net/~alan/ham/aprs>

Before you go and download it, please note this is a C program that runs on a Unix system (only tested on Linux). Don't expect it to work under DOS. The program is freeware (GPL'd) and includes rudimentary documentation which includes some pointers on how to actually obtain TIGER/Line data.

I wanted to reorganize the code into something less embarrassing but decided I'd better leave it non-broken instead:-) Please be gentle.

There are some sample maps there too.

Oh yeah, and thanks to the heads-up from Barbara, I've confirmed with Census bureau that the datum is NAD27 and I haven't yet added the WGS84 translation. Also, I hear the next TIGER/Line data is due out near the end of the year or so and will use NAD83 (which I think is the same as WGS84??).

I think I might be available for-hire to generate maps if there's interest. It's the only way I would ever to be able to actually own a GPS myself:-)

73 de Alan N2YGK

From fmcjunki@cks.ssd.k12.wa.us Thu Jun 20 01:38:17 1996
Received: from ssd.k12.wa.us (cks.ssd.k12.wa.us [198.104.244.101]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id BAA04330 for <aprssig@tapr.org>; Thu, 20 Jun 1996 01:38:16 -0500 (CDT)
Received: from localhost by ssd.k12.wa.us (4.1/SMI-4.1) id AA11529; Wed, 19 Jun 96 23:32:49 PDT
Date: Wed, 19 Jun 1996 23:32:48 -0700 (PDT)
From: Frank McJunkins <fmcjunki@cks.ssd.k12.wa.us>
X-Sender: fmcjunki@cks
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2188] Re: Garmin 75 cabling info
In-Reply-To: <31C8AE85.1029@pobox.com>
Message-Id: <Pine.SUN.3.92.960619233036.11499A-100000@cks>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for the info on the V2.33 and NMEA 0183 type 2.0! I called Garmin last week and they told me that I was right, my V2.22 software would not support V2.0 0183, and they didn't plan on upgrading the software! I'm starting to wonder about the folks at Garmin now.

Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916

From jratchf@bulldog.afsc.k12.ar.us Thu Jun 20 07:02:35 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA12615 for <aprssig@tapr.org>; Thu, 20 Jun 1996
07:02:32 -0500 (CDT)
Received: from jratchf.bulldog.afsc.k12.ar.us (slip3.afsc.k12.ar.us
[170.211.157.177]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id HAA21954
for <aprssig@tapr.org>; Thu, 20 Jun 1996 07:02:47 -0500
Message-Id: <199606201202.HAA21954@bulldog.afsc.k12.ar.us>
From: "J. Scott Ratchford, KC5JGV" <jratchf@bulldog.afsc.k12.ar.us>
To: "aprssig taprorg" <aprssig@tapr.org>
Subject: What a night for APRS VHF!
Date: Thu, 20 Jun 1996 06:59:55 -0500
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1085
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Bing Bang Boom!

Did we ever get the band opening on APRS! From NE Georgia to NCentral
Iowa! Kansas City was really hopping! I looked this morning and it looks
like the East will be on-screen today!

--

KC5JGV
Marshall, Arkansas

From sguccion@outland.dtcc.edu Thu Jun 20 07:16:30 1996
Received: from outland.dtcc.edu (sguccion@outland.dtcc.edu [138.123.12.201]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA13058 for <aprssig@tapr.org>; Thu, 20
Jun 1996 07:16:28 -0500 (CDT)
Received: (from sguccion@localhost) by outland.dtcc.edu (8.6.11/8.6.11) id
IAA25767; Thu, 20 Jun 1996 08:16:24 -0400
Date: Thu, 20 Jun 1996 08:16:24 -0400 (EDT)
From: Dr Samuel Guccione <sguccion@outland.dtcc.edu>
X-Sender: sguccion@outland
To: aprssig@tapr.org
Subject: NMEA Sentence descriptions
Message-ID: <Pine.SV4.3.91.960620081433.25584A@outland.dtcc.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some time ago, a web site address was given for descriptions of NMEA GPS
sentences. Does anyone have that site address?
Sam K3BY

From garnold@naples.net Thu Jun 20 08:28:50 1996
Received: from gator.naples.net (root@gator.naples.net [205.160.191.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA15609 for <aprssig@tapr.org>; Thu, 20
Jun 1996 08:28:46 -0500 (CDT)

Received: from port22.annex1.naples.net (port22.annex1.naples.net
[205.160.191.117]) by gator.naples.net (8.7.3/8.6.12) with SMTP id JAA29943 for
<aprssig@tapr.org>; Thu, 20 Jun 1996 09:35:01 -0400 (EDT)
Message-ID: <31C97C51.5565@naples.net>
Date: Thu, 20 Jun 1996 09:29:05 -0700
From: Gary Arnold <garnold@naples.net>
Reply-To: garnold@naples.net
Organization: Collier County Emergency Management
X-Mailer: Mozilla 3.0b4Gold (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2199] What a night for APRS VHF!
References: <199606201202.HAA21954@bulldog.afsc.k12.ar.us>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

J. Scott Ratchford, KC5JGV wrote:

>
> Bing Bang Boom!
>
> Did we ever get the band opening on APRS! From NE Georgia to NCentral
> Iowa! Kansas City was really hopping! I looked this morning and it looks
> like the East will be on-screen today!
> --
> KC5JGV
> Marshall, Arkansas

Noon Tuesday worked SW Oklahoma from SW Florida, 12 watts SSB into 250
feet of coax to a pair of side mounted Sgloops at 165 feet. S-9 or
better there, but NO APRS stations seen from the area...

73,
Gary

--

Gary Arnold CEM
Coordinator, Collier County (FL) Emergency Management
garnold@naples.net
76656.2753@compuserve.com
[Packet radio] wb2wpa@wb2wpa.#nap.fl.usa.noam

EM pages: "<http://www.naples.net/govern/county/emrgmt/zccem1.htm>"
Personal page: "<http://www.naples.net/govern/county/emrgmt/garnold.htm>"

"I'm writing an unauthorized autobiography."
-- Steven Wright, perippheral visionary

From kirk@neptune.gsfc.nasa.gov Thu Jun 20 08:41:40 1996
Received: from mailhost.gsfc.nasa.gov (tinker-toy.gsfc.nasa.gov [128.183.50.19])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA16021 for <aprssig@tapr.org>; Thu,
20 Jun 1996 08:41:38 -0500 (CDT)

Received: from neptune.gsfc.nasa.gov by mailhost.gsfc.nasa.gov (5.65/Ultrix3.0-C)
id AA24184; Thu, 20 Jun 96 09:41:35 -0400
Received: from isobar.gsfc.nasa.gov by neptune.gsfc.nasa.gov via SMTP
(950911.SGI.8.6.12.PATCH825/920502.SGI)for <aprssig@tapr.org> id JAA15549; Thu, 20
Jun 1996 09:44:58 -0400
Message-Id: <2.2.32.19960620134343.006b0a9c@neptune.gsfc.nasa.gov>
X-Sender: kirk@neptune.gsfc.nasa.gov
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 20 Jun 1996 09:43:43 -0400
To: aprssig@tapr.org
From: Robert Kirk <kirk@neptune.gsfc.nasa.gov>
Subject: Re: Ignition or RF Noise, re MX4200

At 00:19 6/20/96 -0500, Bill/WB6LPG wrote:
>Attn: Joe DeVille..and all Magnovox MX-4200 GPS Users..
>
>Have found the subj GPS MX4200 to be generating considerable RF interference
[...]
> No similar problems with Garmin-45 or Motorola/Traxar GPS, connected for
>Stand Alone tracking.
> Anyone else have similar problems with the MX4200..???? Advise
>

Don't have a Magnavox but I do have the Motorola Traxar and
have had similar RFI problems. I suspect it's not the GPS itself
that causes the RFI but rather the low class hook up job I did
using non-shielded cables and connectors. If I operate the
Motorola on internal batteries with no RS-232 connection, the
RFI goes away.

Bob Kirk
N30ZB

From martinbw@telalink.net Thu Jun 20 08:59:59 1996
Received: from eve.telalink.net (eve.telalink.net [199.1.88.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id IAA16406 for <aprssig@tapr.org>; Thu, 20 Jun 1996
08:59:55 -0500 (CDT)
Received: from oscar.telalink.net (nash-pm2-s22.telalink.net [205.241.232.87]) by
eve.telalink.net (8.7.5/Telalink-4.83) with SMTP id IAA22976 for
<aprssig@tapr.org>; Thu, 20 Jun 1996 08:51:31 -0500 (CDT)
X-Mailer: InterCon TCP/Connect II 2.3.1
MIME-Version: 1.0
Message-Id: <9606200900.AA56636@oscar.telalink.net>
Date: Thu, 20 Jun 1996 09:00:56 -0500
From: "Bruce W. Martin" <martinbw@telalink.net>
To: aprssig@tapr.org
Subject: Re: Ignition or RF Noise, re MX4200
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

> Attn: Joe DeVille..and all Magnovox MX-4200 GPS Users..

>
> Have found the subj GPS MX4200 to be generating considerable
> RF interference to adjacent VHF receivers. Using PK-12, easy to set up
> for GPS use, Alinco DR1200T adjacent to the MX4200. Get a full
> scale signal strength reading on the DR1200T and have Squelch set
> real high, and do not hear numerous APRS packets, on our 145.01
> operating frequency.
> My old Kenwood TR7600 for voice on 147.285 about 2-3 feet away from
> the MX4200, has a half scale S-Meter reading when the MX4200 GPS is
> powerd up. and very poor voice reception except on very strong signals.
> Turn off the GPS and reception and signal strength indications on
> both the DR1200 and TR7600 disappears and reception is normal.
> Suggest moving your MX4200 as far away as possible, going to try it,
> or check and see if tha GPS is the cause of reception problems. Also
> it will send the GGA sentence, but not the GVT sentence. This is
> a borrowed GPS.
> No similar problems with Garmin-45 or Motorola/Traxar GPS, connected
> for Stand Alone tracking.
> Anyone else have similar problems with the MX4200..???? Advise
>
> 73's & Enjoy, Bill/WB6LPG
> NNNN
>
> WBB/WB6LPG

Shortly after I received my pair of MX4200s I came to the conclusion that these units (or at least many of them) had been returned to the Magnavox for repair. Some units may have been repaired others may never have had anything wrong with them. These units may also have been part of a lease deal. In the end they all wound up in a big crate and Gateway purchased them as a bulk deal then opened the crate and sold the boxes as-is. Some folkes had to buy several and swap parts around to get a working unit, others worked out of the box, and still others were DOA.

My working model generally works fine. No RF interference to adjacent VHF receivers. I use mine with one of WB0N00's transmitters for a standalone tracker. I had it running as well as a second tracker in the van all the way to Dayton without a problem. On the way back it decided not to send any coherent data any more. When i got home I attached the computer and sent a few macros to stop all data then start data, then it worked fine. This has happened a few times since. if this had happened to a GPS I purchased for \$2000it would be back to the factory in a hertbeat. For a \$25 GPS (and the factory out of business) it is an annoyance that I learn to live with. Knowing that there is an intermittant problem will make me use this tracker for fun but nothing serious.

I suspect that the RF interference to adjacent VHF receivers that you are experiencing is why that unit was returned. I suspect that most people that purchased these have found some anomily that had they paid \$2000 for the unit they would be quite mad, since it was only \$25 they will live with it or figure out how to fix it, all part of the hobby.

Thanks for the warning anyway, I am always looking for experiences that others have had with their MX4200. I still have one that does not work and I hope that someone will give me just the clue I need to get it operational.

73
Bruce

--

* Bruce W. Martin Internet: martinbw@telalink.net *
* 4558 Brooke Valley Dr. HAM Call: KQ4TV *
* Hermitage TN 37076-2650 *
* Voice: (615) 872-7733 Targeting:36 10 30 N/86 35 30 W *
* FAX/MODEM: (615) 872-0045 APRS:3610.50N/08635.50W *
* URL: http://www.telalink.net/~martinbw/home.html *
* ftp://ftp.telalink.net/users/m/martinbw/ftp/incoming/ *
* I have a 486DX33 to play games and run some HAM programs, *
* when I want to do serious work I use a Macintosh. 0- *

From kirk@neptune.gsfc.nasa.gov Thu Jun 20 09:32:28 1996
Received: from mailhost.gsfc.nasa.gov (tinker-toy.gsfc.nasa.gov [128.183.50.19])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA17566 for <aprssig@tapr.org>; Thu,
20 Jun 1996 09:32:17 -0500 (CDT)
Received: from neptune.gsfc.nasa.gov by mailhost.gsfc.nasa.gov (5.65/Ultrix3.0-C)
id AA24734; Thu, 20 Jun 96 10:32:13 -0400
Received: from isobar.gsfc.nasa.gov by neptune.gsfc.nasa.gov via SMTP
(950911.SGI.8.6.12.PATCH825/920502.SGI)for <aprssig@tapr.org> id KAA17413; Thu, 20
Jun 1996 10:35:37 -0400
Message-Id: <2.2.32.19960620143422.006b75ec@neptune.gsfc.nasa.gov>
X-Sender: kirk@neptune.gsfc.nasa.gov
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 20 Jun 1996 10:34:22 -0400
To: aprssig@tapr.org
From: Robert Kirk <kirk@neptune.gsfc.nasa.gov>
Subject: NASA's Lightning Detection

Looks like NASA's getting in the lightning detection business, or at
least field testing a commercial unit. Below is a new press release
from NASA Kennedy:

June 19, 1996
(407) 867-2468

KSC Release No. 75-96

NASA INTRODUCES LIGHTNING MAPPING SYSTEM TO COMMERCIAL MARKET

Despite being located in an area with the greatest amount of lightning
activity in the United States, a NASA developed Lightning Detection and
Ranging (LDAR) system has provided a safe, productive work environment at
the Kennedy Space Center (KSC) and the Eastern Range since 1992. Now
private industry and the public at large stand to benefit from the space age

technology.

NASA has signed a Space Act Agreement with Global Atmospheric, Inc. (GAI) of Tucson, AZ, to begin joint work on development of an LDAR system that meets both NASA and commercial needs. The technology has commercial application in the electric utility, aviation, atmospheric research, commercial rocket launch, recreation, construction and meteorological industries.

"The 45th Weather Squadron at Cape Canaveral Air Station uses LDAR to accurately inform KSC of any lightning threats in the area," said John Madura, manager of KSC's weather office. Cape Canaveral Air Station and the National Weather Service in Melbourne, Fl are the only organizations currently using this system.

Current two-dimensional commercial systems only locate cloud-to-ground lightning. NASA's three-dimensional LDAR system also pinpoints the location and altitude of in-cloud and cloud-to-cloud lightning by measuring the exact arrival times of electromagnetic pulses.

"When you hear a crackle of lightning over your radio, you are listening to an electromagnetic pulse. Since the speed of light is constant, once we know the time of a pulse we can figure out exactly how far away the lightning is," explained Carl Lennon, KSC Information Systems Division.

The system detects the VHF or very high frequency radiation and maps the volume of the lightning activity. The result is a three-dimensional presentation of the local activity and the threat that it presents.

GAI designs, manufactures and markets commercial lightning detection systems that are used worldwide for collection, analysis, display and dissemination of lightning related information. They bring the expertise and resources to this partnership that are necessary to expedite commercialization.

"This collaboration between GAI and NASA brings together two organizations respected in this field of study and should benefit the public with an extremely solid new product," said GAI President, Pat Zumbusch.

The 2-year agreement does not require an exchange of funds, but does assign responsibilities to both parties. GAI will focus on improving the location accuracy, small signal detection, and flexibility of NASA's existing system. After reducing the cost of transmitting and displaying data, a commercial version of the system will be available.

NASA will operate the LDAR system, allowing GAI to compare their newly developed systems to it. NASA will also assist GAI with the design and evaluation of various system components and allow them to use existing equipment, facilities and weather data.

"This agreement is the perfect example of NASA working together with industry to bring space age technology down to earth," said Bill Sheehan,

KSC's Technology Programs and Commercialization Office. "The space program, commercial market and general public will benefit a great deal from this project."

#

From ku0g@sprynet.com Thu Jun 20 09:44:43 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA17991 for <aprssig@tapr.org>; Thu, 20 Jun 1996 09:44:40 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.155.88] (dd13-088.compuserve.com [199.174.155.88]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA05602 for <aprssig@tapr.org>; Thu, 20 Jun 1996 07:42:32 -0700
Date: Thu, 20 Jun 1996 07:42:32 -0700
Message-Id: <199606201442.HAA05602@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2199] What a night for APRS VHF!
To: aprssig@tapr.org
In-Reply-To: <199606201202.HAA21954@bulldog.afsc.k12.ar.us>
X-Mailer: SPRY Mail Version: 04.00.06.21

On Thu, 20 Jun 1996, "J. Scott Ratchford, KC5JGV"
<jratchf@bulldog.afsc.k12.ar.us> wrote:
>Bing Bang Boom!
>
>Did we ever get the band openning on APRS! From NE Georgia to NCentral
>Iowa! Kansas City was really hopping! I looked this morning and it looks
>like the East will be on-screen today!
>--
>KC5JGV
>Marshall, Arkansas

We've seen all of Iowa here overnight plust a lot of TULSA! Also saw the KC5JCV-10 WIDE digi in Marshall, Ark.!!!

Nice to see something coming from the south for once!!!

>
Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From fmcjunkie@cks.ssd.k12.wa.us Thu Jun 20 10:21:22 1996
Received: from ssd.k12.wa.us (cks.ssd.k12.wa.us [198.104.244.101]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA19585 for <aprssig@tapr.org>; Thu, 20 Jun 1996 10:21:20 -0500 (CDT)
Received: from localhost by ssd.k12.wa.us (4.1/SMI-4.1)

id AA15601; Thu, 20 Jun 96 08:14:26 PDT
Date: Thu, 20 Jun 1996 08:14:25 -0700 (PDT)
From: Frank McJunkins <fmcjunki@cks.ssd.k12.wa.us>
X-Sender: fmcjunki@cks
To: j@harper.com
Cc: aprssig@tapr.org
Subject: Garmin 75 & KD6PHB display
Message-Id: <Pine.SUN.3.92.960620080826.15511A-100000@cks>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just wanted to confirm some info for your file. My Garmin 75 has software version 2.22 and it will NOT support the GPGGA statement needed to run the KD6PBH display. However, it appears that software version 2.33 WILL support the GPGGA statement. I got Garmin on the phone again today and found someone who apparently was more familiar with what they sold. The bottom line is that if I want to upgrade my software it's going to cost me \$80-100 !!!!! Now I'm beginning to see a negative side about Garmin. After seeing the \$90 price they want for a replacement antenna, and now the humoungous ding for software upgrade, I think I'll start looking for a Magellan. Well, I didn't like the way they ran the I/O cable through the back of the case anyway... :)

Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916

From willf@rrgroup.com Thu Jun 20 10:50:40 1996
Received: from inc.net (beta.inc.net [204.95.160.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA20588 for <aprssig@tapr.org>; Thu, 20 Jun 1996 10:50:36 -0500 (CDT)
Received: from will (will.rrgroup.com [204.95.173.139]) by inc.net (8.7.5/8.7.3) with SMTP id KAA02604; Thu, 20 Jun 1996 10:46:20 -0500 (CDT)
Message-ID: <31C972E5.4578@rrgroup.com>
Date: Thu, 20 Jun 1996 10:48:53 -0500
From: Will Flor <willf@rrgroup.com>
Organization: R R Systems Group Inc.
X-Mailer: Mozilla 2.0 (WinNT; I)
MIME-Version: 1.0
To: aprssig@tapr.org
CC: willf@rrgroup.com
Subject: Re: NMEA Sentence descriptions
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You wrote:

From: Dr Samuel Guccione[SMTP:sguccion@outland.dtcc.edu]
Sent: Thursday, June 20, 1996 7:27 AM
To: aprssig@tapr.org
Subject: [APRSSIG:2200] NMEA Sentence descriptions

> Some time ago, a web site address was given for descriptions of NMEA GPS
> sentences. Does anyone have that site address?
> Sam K3BY

There are several; here are two:

<http://www.mit.edu:8001/people/krwalsh/Homebuilts/nmea.html>

<http://vancouver-webpages.com/peter/index.html>

73 de KB9JTT

From ke4eer@worldnet.att.net Thu Jun 20 12:22:20 1996

Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA23582 for <aprssig@tapr.org>; Thu, 20 Jun 1996 12:22:18 -0500 (CDT)

Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)

id RAA16999; Thu, 20 Jun 1996 17:22:31 GMT

Received: from 132.middletown-57.va.dial-access.att.net(207.116.6.132)

by mailhost.worldnet.att.net with SMTP

id A16937; Thu Jun 20 17:22:07 1996

Message-ID: <31C9A47C.3222@worldnet.att.net>

Date: Thu, 20 Jun 1996 12:20:28 -0700

From: William Nolle <ke4eer@worldnet.att.net>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2204] NASA's Lightning Detection

References: <2.2.32.19960620143422.006b75ec@neptune.gsfc.nasa.gov>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Robert Kirk wrote:

>

> NASA will operate the LDAR system, allowing GAI to compare their newly
> developed systems to it. NASA will also assist GAI with the design and
> evaluation of various system components and allow them to use existing
> equipment, facilities and weather data.

>

> "This agreement is the perfect example of NASA working together with
> industry to bring space age technology down to earth," said Bill Sheehan,
> KSC's Technology Programs and Commercialization Office. "The space program,
> commercial market and general public will benefit a great deal from this
> project."

>

> # # # #

Yes and the taxpayer will pay for the whole thing, then someone else will
make the profits by selling the system back to us Hi.

--

Bill KE4EER

ke4eer@worldnet.att.net

Yes i switched again Hi

From kevenm@valtek.com Thu Jun 20 12:30:24 1996

Received: from ns1.secure.net (root@ns1.secure.net [192.41.1.10]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA23768 for <aprssig@tapr.org>; Thu, 20 Jun 1996

12:30:22 -0500 (CDT)
Received: from valtek.com by ns1.secure.net; Thu, 20 Jun 1996 05:26:37 -0600 (MDT)
Received: from valtek by valtek.com (SMI-8.6/SMI-SVR4)
id LAA08930; Thu, 20 Jun 1996 11:32:36 -0600
Received: by valtek (4.1/SMI-4.1)
id AA04347; Thu, 20 Jun 96 11:33:07 MDT
From: kevenm@valtek.com (Keven Miller)
Message-Id: <9606201733.AA04347@valtek>
Subject: Re: NMEA Sentence descriptions
To: aprssig@tapr.org (APRSSIG)
Date: Thu, 20 Jun 1996 11:33:05 -0600 (MDT)
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text

I asked same around Mar 20, and got this reply from Greg Blair VE3DIB.

<ftp://sundae.triumf.ca/pub/peter/index.html>

Keven Miller KC7LYD
kevenm@valtek.com

From seront@seism1.ess.sunysb.edu Thu Jun 20 12:46:02 1996
Received: from ccm1.sunysb.edu (ccm1.sunysb.edu [129.49.1.103]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id MAA24339 for <aprssig@tapr.org>; Thu, 20 Jun 1996
12:46:00 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccm1.sunysb.edu (PMD5 V5.0-6 #8051)
id <01I64TSHTS409YJSI3@ccm1.sunysb.edu> for aprssig@tapr.org; Thu,
20 Jun 1996 13:45:53 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1)
id AA14674; Thu, 20 Jun 1996 13:45:12 -0400 (EDT)
Date: Thu, 20 Jun 1996 01:45:33 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:2206] Garmin 75 & KD6PHB display
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960620054533.0074ab74@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 10:41 AM 6/20/96 -0500, you wrote:

>I got Garmin on the phone again today and
>found someone who apparently was more familiar with what they sold. The
>bottom line is that if I want to upgrade my software it's going to cost me
>\$80-100 !!!!! Now I'm beginning to see a negative side about Garmin.
>After seeing the \$90 price they want for a replacement antenna, and now
>the humongous ding for software upgrade, I think I'll start looking for a
>Magellan.
>

To upgrade the software they basically have to change the unit! At least for
the "sealed" one (38, 40, 45 ...). Flat service rate is ~100\$, not bad

considering you get a new unit.
I bet it's the same with Magellan.
Something nice with Garmin is that they do improve regularly the soft. I
would be garmin, I would stay with the same firmware: nobody would complain!

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
http://rock.ess.sunysb.edu:8080/

From schiers@ames.net Thu Jun 20 13:00:57 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA24886 for <aprssig@tapr.org>; Thu, 20 Jun 1996
13:00:55 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606201800.NAA24886@tapr.org>
Received: from [206.29.126.237] by ames.net id 68070.wrk; Thu, 20 Jun 1996
13:00:16 -0600
Date: Thu, 20 Jun 96 12:58:24 -0500
To: aprssig@tapr.org
Subject: Garmin GA-26 Active Ant ?
In-Reply-To: <715939@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

I am looking for recommendations regarding a better antenna for the Garmin
45 GPS. I am trying to figure out if the increased cost for an external
active antenna is worth it. (When it stops raining I will check out the
BlackJack by putting it on my roof, instead of on my dash.)

The GA 26 is pretty pricey...has anyone evaluated it compared to the
passive BlackJack on the dash, or to the standard antenna with unit
sitting on the dash?

Any other recommendations? Information on the Trimble/PacComm setup would
be welcome, especially if someone can give me a before and after
comparision. 73,

hasan schiers, NOAN--

schiers@ames.net

From MMuecke@InterfaceTech.com Thu Jun 20 13:14:24 1996
Received: from InterfaceTech.com ([207.67.176.253]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id NAA25272 for <aprssig@tapr.org>; Thu, 20 Jun 1996 13:14:21 -0500
(CDT)
Received: by localhost from InterfaceTech.com
(router,WinSmtip -Win32- V1.07beta1.7.s); Thu, 20 Jun 1996 11:10:55
Received: from Admin by InterfaceTech.com
(207.67.180.65::mail daemon,WinSmtip -Win32- V1.07beta1.7.s); Thu, 20 Jun 1996
11:10:16
X-Sender: Mel Muecke <mmuecke@InterfaceTech.com>

X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Mel Muecke <MMuecke@InterfaceTech.com>
Subject: Re: Might I suggest...
Date: Thu, 20 Jun 1996 11:10:55
Message-Id: <19960620111055.003ce5c2.in@InterfaceTech.com>

Just in case there is someone who doesn't know about it, there is a digest mode on this listserver that is perfect for those who don't like hundreds of messages in their in-box. It compresses all the little messages into a single long message with separators. So you get a single e-mail for every 20-30 sent.

The beginning of each message has an index of all the e-mail subjects, which makes it easy to skip right to the interesting (to you) stuff.

To change to digest mode, send the following message to listproc@tapr.org

set aprssig mail digest

Regards,

Mel Muecke
KE6FQZ

P.S. I agree with Pat Bunsold WA6MHZ about including files. It is much nicer to send a personal message directly to those interested, instead of attaching files to messages sent to the listserver.

@__0~_	Mel Muecke - Applications Engineer
,>/->/-#	mmuecke@InterfaceTech.com
(*)\--\(*)	Interface Technology - Walnut, CA USA
	(909) 595-6030 Fax (909) 595-7177

From alan@ernest.itg.ti.com Thu Jun 20 13:22:28 1996
Received: from gate.ti.com (news.ti.com [192.94.94.33]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id NAA25765 for <aprssig@tapr.org>; Thu, 20 Jun 1996 13:22:24 -0500 (CDT)
Received: from robin.itg.ti.com ([128.247.31.238]) by gate.ti.com (8.6.13/ac3i.dseg.ti.com) with ESMTP id NAA14083 for <aprssig@tapr.org>; Thu, 20 Jun 1996 13:21:46 -0500
Received: from ernest.itg.ti.com (ernest.itg.ti.com [128.247.93.118]) by robin.itg.ti.com (8.7.3/8.6.11) with SMTP id NAA27066 for <aprssig@tapr.org>; Thu, 20 Jun 1996 13:15:58 -0500 (CDT)
Received: by ernest.itg.ti.com (Smail3.1.28.1 #4)
id m0uWoIM-0000DTC; Thu, 20 Jun 96 13:17 CDT
Message-Id: <m0uWoIM-0000DTC@ernest.itg.ti.com>
From: alan@ernest.itg.ti.com (Alan Edmonds)
Subject: Re: [APRSSIG:2206] Garmin 75 & KD6PHB display

To: aprssig@tapr.org
Date: Thu, 20 Jun 1996 13:17:29 -0500 (CDT)
In-Reply-To: <Pine.SUN.3.92.960620080826.15511A-100000@cks> from "Frank McJunkins"
at Jun 20, 96 10:39:25 am
Organization: Texas Instruments, Inc. Plano TX
X-Mailer: ELM [version 2.4 PL21]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> bottom line is that if I want to upgrade my software it's going to cost me
> \$80-100 !!!!! Now I'm beginning to see a negative side about Garmin.
> After seeing the \$90 price they want for a replacement antenna, and now
> the humoungous ding for software upgrade, I think I'll start looking for a
> Magellan. Well, I didn't like the way they ran the I/O cable through the
> back of the case anyway... :)

I think the high price is somewhat to blame on the case. I know
the 45 has a nitrogen filled and sealed case. Just to open it,
reseal it and pump it full of nitrogen is more expensive than
your standard 'tkae off the case and pop in a new chip'. Possibly,
the software upgrade involves SMT parts and we kno how much fun
those can be.....

--

Alan Edmonds, KB5ZUY	Texas Instruments, Inc.
System Administrator, Composer Development	M/S 8515
Phone: +1-214-575-6427	6620 Chase Oaks Blvd.
Email: Alan.Edmonds@ti.com	Plano, TX, USA 75023

From gerry@cs.tamu.edu Thu Jun 20 13:46:31 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA26521 for <aprssig@tapr.org>; Thu, 20 Jun 1996
13:46:19 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id NAA04620 for <aprssig@tapr.org>; Thu, 20
Jun 1996 13:45:51 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id NAA26522 for
aprssig@tapr.org; Thu, 20 Jun 1996 13:44:37 -0500
Message-Id: <199606201844.NAA26522@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2197] tig2aprs: Tiger -> APRS Unix utility
To: aprssig@tapr.org
Date: Thu, 20 Jun 1996 13:44:36 -0500 (CDT)
In-Reply-To: <CMM.0.90.4.835251365.alan@manila.cc.columbia.edu> from "Alan
Crosswell" at Jun 20, 96 01:33:54 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

For all intents and purposes, WGS84 and NAD83 are the same.

gerry

From 71301.3106@CompuServe.COM Thu Jun 20 14:01:02 1996
Received: from dub-img-4.compuserve.com (dub-img-4.compuserve.com [198.4.9.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA27088 for <aprssig@tapr.org>; Thu, 20 Jun 1996 14:00:56 -0500 (CDT)
Received: by dub-img-4.compuserve.com (8.6.10/5.950515) id PAA14642; Thu, 20 Jun 1996 15:00:21 -0400
Date: 20 Jun 96 14:59:19 EDT
From: Mike Musick <71301.3106@CompuServe.COM>
To: <aprssig@tapr.org>
Subject: SIG Reflector Issues
Message-ID: <960620185919_71301.3106_FHJ82-2@CompuServe.COM>

Two cents' worth about two discussions regarding SIG issues:

1) YES, *please* don't attach binaries! They clutter the mailbox and in many cases unnecessarily pump-up the archive. If they're of general interest, download to the FTP site instead.

2) And I also vote NO on moving the SIG to USENET. I specifically do not participate in USENET groups due to the abuses, particularly by the commercial spammers. One posting to a USENET group will fill your e-mail with junk for weeks.

Also, I've found the signal/noise ratio in the radio.rec.amateur groups to be very poor. Frankly, there are some major lids who constantly pollute the groups, mindlessly increasing message counts with specious flaming and "fight baiting". We'd become yet another target of this nonsense. Moderation is not a solution, either, as it results in debates over rules and "censorship" as well as causing a lot of work for someone.

Anyway, moving the SIG into overt visibility will draw the attention of the online vermin, unfortunately.

My personal solution to the mail volume associated with this popular reflector is to not subscribe to the SIG, but fetch the archive every day or so. What would be nicer is if the mail archiver packaged the day's messages into a separate digest file, maybe kept for a week or so, so that it wouldn't be necessary to download the whole month's accumulation every day. Or maybe a SUBSCRIBE APRSSIG DAILYDIGEST, with one whopping e-mail containing the day's traffic?

...mike/NOQBF

From gerry@cs.tamu.edu Thu Jun 20 14:02:07 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA27116 for <aprssig@tapr.org>; Thu, 20 Jun 1996 14:01:58 -0500 (CDT)
Received: from solar.cs.tamu.edu (solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id OAA05143 for <aprssig@tapr.org>; Thu, 20 Jun 1996 14:01:29 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id NAA26679 for aprssig@tapr.org; Thu, 20 Jun 1996 13:59:45 -0500
Message-Id: <199606201859.NAA26679@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2208] Re: NASA's Lightning Detection
To: aprssig@tapr.org
Date: Thu, 20 Jun 1996 13:59:44 -0500 (CDT)
In-Reply-To: <31C9A47C.3222@worldnet.att.net> from "William Nolle" at Jun 20, 96 12:39:11 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

William Nolle sez:

>
> Robert Kirk wrote:
> >
> > NASA will operate the LDAR system, allowing GAI to compare their newly
> > developed systems to it. NASA will also assist GAI with the design and
> > evaluation of various system components and allow them to use existing
> > equipment, facilities and weather data.
> >
> > "This agreement is the perfect example of NASA working together with
> > industry to bring space age technology down to earth," said Bill Sheehan,
>
> > # # # #
>
> Yes and the taxpayer will pay for the whole thing, then someone else will
> make the profits by selling the system back to us Hi.

No. We already paid for it. NASA's charter requires technology transfer to the private sector wherever possible. This represents an example of that.

So do cardiac monitors, cardiac telemetry in hospital ICU stepdown units, fiber-optic monitors of blood chemistry and oxygen, cellphones, and a whole host of other technologies transferred from NASA research to the common man. Someone has to capitalize it and produce it so that we can all benefit from it.

gerry

From ke4eer@worldnet.att.net Thu Jun 20 14:12:45 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA27585 for <aprssig@tapr.org>; Thu, 20 Jun 1996 14:12:41 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id TAA18851; Thu, 20 Jun 1996 19:11:55 GMT
Received: from 188.dallas-1.tx.dial-access.att.net(199.69.132.188) by mailhost.worldnet.att.net with SMTP id A18748; Thu Jun 20 19:11:52 1996
Message-ID: <31C9BE73.6AFD@worldnet.att.net>
Date: Thu, 20 Jun 1996 14:11:15 -0700

From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: (no subject)
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have just posted a map file on tapr for anyone interested. It's called TNNEWMAP.ZIP and are some maps covering I65 south from Nashville the the Alabama sate line. Also included are some of the towns in that area, a total of about 27 maps i believe. I have included a maplist but only for those maps. You may want to put these maps in with another maplist yourself.

--

Bill KE4EER
ke4eer@worldnet.att.net
Yes i switched again Hi

From fehner@cts.com Thu Jun 20 14:33:19 1996
Received: from mailhub.cts.com (mailhub.cts.com [192.188.72.25]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA28258 for <aprssig@tapr.org>; Thu, 20 Jun 1996 14:33:14 -0500 (CDT)
Received: from fehnercom.cts.com(really [198.68.171.229]) by mailhub.cts.com via smail with smtp
id <m0uWpTW-000V58C@mailhub.cts.com>
for <aprssig@tapr.org>; Thu, 20 Jun 96 12:33:06 -0700 (PDT)
(Smail-3.1.92 1996-Mar-19 #3 built 1996-Apr-21)
Message-Id: <2.2.32.19960620193849.006bd424@mail.cts.com>
X-Sender: fehner@mail.cts.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 20 Jun 1996 12:38:49 -0700
To: aprssig@tapr.org
From: Barbara Fehner <fehner@cts.com>
Subject: Re: [APRSSIG:2200] NMEA Sentence descriptions

<ftp://sundae.triumf.ca/pub/peter/index.html>

Look for the NMEA FAQ

Barbara KK6IB
E-Mail: fehner@cts.com

At 07:27 AM 6/20/96 -0500, you wrote:

>Some time ago, a web site address was given for descriptions of NMEA GPS
>sentences. Does anyone have that site address?

>Sam K3BY

>

>

>

From jwdstu@westga.edu Thu Jun 20 15:25:43 1996
Received: from sun.cc.westga.edu (sun.cc.westga.edu [160.10.4.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA00916 for <aprssig@tapr.org>; Thu, 20 Jun 1996
15:25:38 -0500 (CDT)
Received: (from jwdstu@localhost) by sun.cc.westga.edu (8.6.10/8.6.10) id
QAA05029; Thu, 20 Jun 1996 16:24:46 -0400
Date: Thu, 20 Jun 1996 16:24:45 -0400 (EDT)
From: Joe DeVille <jwdstu@westga.edu>
X-Sender: jwdstu@sun.cc.westga.edu
To: aprssig@tapr.org
Subject: Ignition noise update!
Message-ID: <Pine.SUN.3.91.960620161505.4408A-100000@sun.cc.westga.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK!! Thanks to everybody for all the help. I went out to 'da Shack' and
picked up a 20A noise filter, and it seemed to mostly solve the
problem--at least the DCD light stays off when there is nothing on
frequency now! Still a trace of whine on the signal, but it is at an
"acceptable" level until I can further investigate it. I'd like to run
the power cable directly from the battery, but I can't find a single
place that anything runs through the firewall, and right now drilling is
not an option.

As far as my MX4200, I got 2 and both seem to work, however I think the
RF section in one is better than the other. Haven't noticed much of a
RFI problem from them though.

Thanks to everybody on this sig, I now have a working stand-alone tracker.

Keep all those great hints coming!

Joe DeVille, KC4IWE Primary address: jwdstu@westga.edu
State University of Secondary address: bm160@freenet.carleton.ca
West Georgia Memberships/Affiliations: American Radio Relay League
Carrollton, GA USA Amateur Radio Emergency Service, SKYWARN, Red Cross
Disaster Services, Atlanta Olympic Band
Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA
----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

From christen@codger.physics.duq.edu Thu Jun 20 15:55:36 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA02674 for <aprssig@tapr.org>; Thu, 20
Jun 1996 15:55:33 -0500 (CDT)
Received: from wm2.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA23566; Thu, 20 Jun 1996 16:52:22 -0400
Message-Id: <31C9B2E7.4F41@codger.physics.duq.edu>
Date: Thu, 20 Jun 1996 16:21:59 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b4Gold (Win95; I)

Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2152] Ignition noise !help!
References: <1.5.4.32.19960619042856.0068bc68@160.10.4.2>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joe DeVille wrote:

> All this is wired into the fuse box via an unused fuse contact.
>
> Here's the problem: Ignition noise.

Wiring into the fuse box is just asking for noise problems.

Try a direct battery hookup; just get a nice chunk of "zip" cord, run it out the door to the battery, and see if you still have the noise.

My favorite trick is to just thread the wire through the slot between the fender and the windshield, and through the door gasket. Beats drilling through the firewall.

From christen@codger.physics.duq.edu Thu Jun 20 15:55:37 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA02676 for <aprssig@tapr.org>; Thu, 20 Jun 1996 15:55:34 -0500 (CDT)
Received: from wm2.icubed.com by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM)
id AA23700; Thu, 20 Jun 1996 16:52:24 -0400
Message-Id: <31C9B3A7.679D@codger.physics.duq.edu>
Date: Thu, 20 Jun 1996 16:25:11 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2153] Re: Encoded messages
References: <199606190530.AAA15636@misha.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roger Sellers wrote:

> Remember this is nicknamed the Information SUPER Hiway, it isn't always a
> walk in the park.

I'll agree with the SUPER highway part once I get a T-1 directly into my house...

A 14.4 modem connection is more like the "information Jeep-trail"... <G>

From christen@codger.physics.duq.edu Thu Jun 20 15:55:40 1996

Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA02696 for <aprssig@tapr.org>; Thu, 20 Jun 1996 15:55:37 -0500 (CDT)
Received: from wm2.icubed.com by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM)
id AA23668; Thu, 20 Jun 1996 16:52:26 -0400
Message-Id: <31C9B57C.30C4@codger.physics.duq.edu>
Date: Thu, 20 Jun 1996 16:33:00 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2165] Joining the mile-high club
References: <Pine.3.89.9606191329.A13506-0100000@pbfreenet.seflin.lib.fl.us>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joseph Novak wrote:

> Last week I found myself in a window seat of a Delta DC-9 flying
> from Atlanta to Washington, D C. About halfway through the
> flight, I decided to check out my Garmin 45.

I saw several replies of the 99 knot speed limit, but nothing about the DISTANCE you have travelled. I know that the Magellan units have a 300 mile "turned off" range before they have to re-acquire the almanac data; I don't know about the Garmin units.

It could be that your unit found satellite data, and was simply working to determine which of the satellites it was receiving.

From bruninga@nadn.navy.mil Thu Jun 20 16:48:21 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA05021 for <aprssig@tapr.org>; Thu, 20 Jun 1996 16:48:18 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id RAA25941; Thu, 20 Jun 1996 17:48:55 -0400
Date: Thu, 20 Jun 1996 17:48:55 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: "Ronald G. Parsons" <w5rkn@amsat.org>
cc: aprssig@tapr.org
Subject: Re: APRS on STS-78 Tomorrow! (fwd)
In-Reply-To: <v02140b01adef1a76432a@[204.251.33.9]>
Message-ID: <Pine.SUN.3.91.960620174807.25477B-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Jun 1996, Ronald G. Parsons wrote:

> What UNPROTO alias will they be using? RELAY? W5RRR-1?

APRSdos REPLY COMMENT: My guess is W5RRR or W5RRR-1

de wb4apr@amsat.org

From KD4EMI@aol.com Thu Jun 20 17:33:28 1996
Received: from emout13.mail.aol.com (emout13.mx.aol.com [198.81.11.39]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA06868 for <aprssig@tapr.org>; Thu, 20 Jun 1996 17:33:23 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout13.mail.aol.com (8.6.12/8.6.12) id SAA20029 for aprssig@tapr.org; Thu, 20 Jun 1996 18:32:43 -0400
Date: Thu, 20 Jun 1996 18:32:43 -0400
Message-ID: <960620183243_334537783@emout13.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2192] APRS on STS-78 Tomorrow! (fwd)

In a message dated 96-06-19 23:12:21 EDT, you write:

>
>SAREX supports APRS!
>
>Get ready guys, and spread the word. APRS is permitted via the SAREX
>ROBOT during the long duration mission launching Thursday morning.
>Although it is doubtful that SAREX will be activated for several hours,
>By Friday, you should consider leaving your APRS station on while you are
>at work, to see if you capture any APRS packets via the Shuttle

any special unproto path for this ??
Mike

From KD4EMI@aol.com Thu Jun 20 17:33:43 1996
Received: from emout08.mail.aol.com (emout08.mx.aol.com [198.81.11.23]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA06986 for <aprssig@tapr.org>; Thu, 20 Jun 1996 17:33:40 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout08.mail.aol.com (8.6.12/8.6.12) id SAA15183 for aprssig@tapr.org; Thu, 20 Jun 1996 18:33:30 -0400
Date: Thu, 20 Jun 1996 18:33:30 -0400
Message-ID: <960620183330_334538038@emout08.mail.aol.com>
To: aprssig@tapr.org
Subject: smart digipeater

I am going to put my last basic stamp on the local WIDE-RELAY digi here in south Florida.

It will respond to aprs query strings, change freq on the radio and hopefully be able to adjust to power output (still working on that)

The stamp will go in next week after field day.

I have not been able to really get the results with the stamp and the lightning detector. I think I'll be contacting some aprs folks to help me

with a TSR program to load with APRS for the lightning display.

Will keep posted
Mike

From seront@seism1.ess.sunysb.edu Thu Jun 20 17:46:52 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id RAA07659 for <aprssig@tapr.org>; Thu, 20 Jun 1996 17:46:50 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-6 #8051) id <01I654BIGTTS9YGAX8@ccmail.sunysb.edu> for aprssig@tapr.org; Thu, 20 Jun 1996 18:46:46 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA15039; Thu, 20 Jun 1996 18:46:06 -0400 (EDT)
Date: Thu, 20 Jun 1996 18:46:16 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: MAR-6, that's a go!
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960620224616.0073f568@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

I placed the order this morning. Delivery in 1-2 weeks.

I'll contact directly everybody for the details. I know you don't have my address, if you really want to be sure I'm not a ghost it's on my web page, :-).

I received the data book from Mini-Circuits, so I'll drop the data sheet in the envelope, not that there is a lot of information, but a few useful tips.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From jms@pobox.com Thu Jun 20 20:16:30 1996
Received: from charon.cctechonl.com (as15.net-connect.net [204.181.38.115]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA13211 for <aprssig@tapr.org>; Thu, 20 Jun 1996 20:16:27 -0500 (CDT)
Received: from othello by charon.cctechonl.com with uucp (Smail3.1.28.1 #3) id m0uWuph-0008qyC; Thu, 20 Jun 96 20:16 CDT
Message-Id: <m0uWkVB-0001zSC@kb5yv.f.usl.edu>
Date: Thu, 20 Jun 96 09:14 CDT
To: aprssig@tapr.org
In-reply-to: <CMM.0.90.4.835251365.alan@manila.cc.columbia.edu> (message from Alan Crosswell on Thu, 20 Jun 1996 01:33:03 -0500 (CDT))
Subject: Re: [APRSSIG:2197] tig2aprs: Tiger -> APRS Unix utility
From: jms@pobox.com (Johnie Stafford)
Reply-To: jms@pobox.com

X-URL: <http://www.pobox.com/~jms>
Reply-To: kb5yvf!jms@cctechnol.com
Organization: KB5YVF, Lafayette, LA

>>>> "ac" == Alan Crosswell <alan@watsun.cc.columbia.edu> writes:

```
ac> Source code for my US Census TIGER/Line 1994 to DOS APRS format maps
ac> program is now pointed to by:
ac>      http://www.cloud9.net/~alan/ham/aprs
ac> Before you go and download it, please note this is a C program that runs
ac> on a Unix system (only tested on Linux). Don't expect it to work under
ac> DOS. The program is freeware (GPL'd) and includes rudimentary documentation
ac> which includes some pointers on how to actually obtain TIGER/Line data.
```

Is there a Linux version of APRS?

```
ac> Oh yeah, and thanks to the heads-up from Barbara, I've confirmed
ac> with Census bureau that the datum is NAD27 and I haven't yet added
ac> the WGS84 translation.
```

Check out kai.er.usgs.gov, they have a great set of programs for Datum conversion.

```
ac> ...and will use NAD83 (which I think is the same as WGS84??).
```

Yes

Johnie

--

```
-----
Johnie Stafford          | Internet E-mail: jms@pobox.com
KB5YVF - Lafayette, LA   | Ham Radio Packet: kb5yvf@k5arh.#1ftla.la.us.noam
                          | WWW URL: http://www.pobox.com/~jms
                          | pobox.com for lifetime email -- mail info@pobox.com
-----
```

From gregs@twave.net Thu Jun 20 20:22:21 1996
Received: from gecho.twave.net (twave.net [206.100.228.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id UAA13533 for <aprssig@tapr.org>; Thu, 20 Jun 1996
20:22:14 -0500 (CDT)
Received: from ppp40.twave.net by gecho.twave.net (NTMail 3.01.03) id da029799;
Thu, 20 Jun 1996 21:22:06 -0400
Message-ID: <31C9F91E.32CA@twave.net>
Date: Thu, 20 Jun 1996 21:21:34 -0400
From: gsellers <gregs@twave.net>
Organization: ARES
X-Mailer: Mozilla 2.01Gold (Win95; I)
MIME-Version: 1.0

To: aprssig@tapr.org
Subject: Re: [APRSSIG:2079] Might I suggest...
References: <31C597DB.6231@encore.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dennis Mobley wrote:

>
> Folks,
>
> While I enjoy the on going discussions on the APRS SIG,
> it might be time for moving the SIG to a USENET news group.
>
> My mail box fills quickly with the numerous postings.
>
> Thank you & 73 de Dennis KT4FI

Amen! 73 de Greg

From seans@magick.net Thu Jun 20 22:55:07 1996
Received: from gp.magick.net (root@gp.magick.net [198.68.11.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id WAA18315 for <aprssig@tapr.org>; Thu, 20 Jun 1996
22:55:04 -0500 (CDT)
Received: by gp.magick.net (Linux Smail3.1.29.1 #3)
id m0uWxJD-000PakC; Thu, 20 Jun 96 20:54 PDT
Date: Thu, 20 Jun 1996 20:54:59 -47900
From: Sean Smithers <seans@magick.net>
Subject: Re: [APRSSIG:2165] Joining the mile-high club
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <Pine.3.89.9606191329.A13506-0100000@pbfreenet.seflin.lib.fl.us>
Message-ID: <Pine.3.89.9606202012.A27449-0100000@gp.magick.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Flying in excess of 95 Kts. Known marketing feature of Garmin to make
sure aviators will buy the costlier unit with the aviation database.

=====
Sean Smithers

Internet: seans@gp.magick.net
CompuServe: 70132,136
Packet: N7ZWU @ WB7VMS.#MURPH.OR.USA.NOAM

On Wed, 19 Jun 1996, Joseph Novak wrote:

> Last week I found myself in a window seat of a Delta DC-9 flying
> from Atlanta to Washington, D C. About halfway through the
> flight, I decided to check out my Garmin 45. It had been used last in
> the South Florida area. I placed the antenna next to the window and
> after about five minutes it began to acquire satellites.
>
> Even with the encouragement a couple attractive flight attendants,

> the unit would not lock, not even after displaying signals
> from five satellites. Kind of disappointing. Does anyone know why it
> did not work?? Has anyone had success?
>
> I was assigned an isle seat on the return trip.
>
>
> Joe Novak
> star@pbfree.net.seflin.lib.fl.us
>
>
>

From fmcjunki@cks.ssd.k12.wa.us Thu Jun 20 22:57:11 1996
Received: from ssd.k12.wa.us (cks.ssd.k12.wa.us [198.104.244.101]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id WAA18337 for <aprssig@tapr.org>; Thu, 20 Jun 1996
22:57:09 -0500 (CDT)
Received: from localhost by ssd.k12.wa.us (4.1/SMI-4.1)
id AA27372; Thu, 20 Jun 96 20:51:41 PDT
Date: Thu, 20 Jun 1996 20:51:41 -0700 (PDT)
From: Frank McJunkins <fmcjunki@cks.ssd.k12.wa.us>
X-Sender: fmcjunki@cks
To: aprssig@tapr.org
Subject: Garmin 75 software
Message-Id: <Pine.SUN.3.92.960620204502.27166A-100000@cks>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

ATTN: seront and Alan Edmonds, et al.
Thanks for your input. ONce again I would have to say that if Garmin
simply would have said...Hey, Frank, we're going to basically replace your
whole unit for the \$100 to upgrade the software because there were some
board changes, I'd have said, Sure... But they don't follow up on
anything! One guy doesn't know what's going on and another one seems to
know, but won't give any other info. They're going to have to start
learning some customer relations, I'm afraid. I've lost interest in them
because of their apparent lack of ability to deal with me as a human being
who really believed in their product. SO do you know for a fact that they
really do replace the whole unit, or were you just told that as a p/r
ploy? Does the unit physically look different, and why do you believe
they really do anything other than put an IC in, or upload software? I'm
just curious as I do (electronics) design work for a living, and have
heard all this mumbo jumbo before... I deal in fact, not BS. Thanks for
any input.

Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916

From rsellers@misha.net Thu Jun 20 23:17:26 1996
Received: from misha.net (delta.wwwa.com [204.120.206.5]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id XAA18788 for <aprssig@tapr.org>; Thu, 20 Jun 1996
23:17:25 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id XAA11885; Thu, 20 Jun 1996 23:17:15 -0500

Date: Thu, 20 Jun 1996 23:17:15 -0500
Message-Id: <199606210417.XAA11885@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: How do I change addresses?

I will be changing IP provider in the near future. How to I go about changing my address to the new provider to continue getting this SIG?

73,
Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From rsellers@misha.net Thu Jun 20 23:22:39 1996
Received: from misha.net (delta.wwa.com [204.120.206.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA19112 for <aprssig@tapr.org>; Thu, 20 Jun 1996 23:22:37 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4) id XAA12022; Thu, 20 Jun 1996 23:22:32 -0500
Date: Thu, 20 Jun 1996 23:22:32 -0500
Message-Id: <199606210422.XAA12022@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:2224] Re: APRS on STS-78 Tomorrow! (fwd)

>In a message dated 96-06-19 23:12:21 EDT, you write:

>

>>

>>SAREX supports APRS!

>>

>>Get ready guys, and spread the word. APRS is permitted via the SAREX
>>ROBOT during the long duration mission launching Thursday morning.
>>Although it is doubtful that SAREX will be activated for several hours,
>>By Friday, you should consider leaving your APRS station on while you are
>>at work, to see if you capture any APRS packets via the Shuttle
>

>any special unproto path for this ??

>Mike

>

I just realized, as a relay from space.. Imagine all the stations to get reflected. I will be running APRS at Field Day. If we can see it when it passes, the stations could POP UP around the country in droves... I hope! NASA has GREAT timing. This ought to be an INTERESTING weekend.

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From seans@magick.net Thu Jun 20 23:31:09 1996
Received: from gp.magick.net (root@gp.magick.net [198.68.11.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id XAA19288 for <aprssig@tapr.org>; Thu, 20 Jun 1996
23:31:07 -0500 (CDT)
Received: by gp.magick.net (Linux Smail3.1.29.1 #3)
id m0uWxs0-000PZjC; Thu, 20 Jun 96 21:30 PDT
Date: Thu, 20 Jun 1996 21:30:54 -47900
From: Sean Smithers <seans@magick.net>
Subject: Re: [APRSSIG:2221] Re: Encoded messages
To: aprssig@tapr.org
cc: aprssig@tapr.org
In-Reply-To: <31C9B3A7.679D@codger.physics.duq.edu>
Message-ID: <Pine.3.89.9606202157.A30443-01000000@gp.magick.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

And a 28.8 connection to an internet service provider with 3 T-1
connections and still getting 480 characters per second is an information
stage coach road through the old west with washouts and a coach being
pulled by three lame horses and an ox.

=====
Sean Smithers
Internet: seans@gp.magick.net
CompuServe: 70132,136
Packet: N7ZWU @ WB7VMS.#MURPH.OR.USA.NOAM

On Thu, 20 Jun 1996, Paul Christenson wrote:

> Roger Sellers wrote:
>
> > Remember this is nicknamed the Information SUPER Hiway, it isnt always a
> > walk in the park.
>
> I'll agree with the SUPER highway part once I get a T-1 directly into my
house...
>
> A 14.4 modem connection is more like the "information Jeep-trail"... <G>
>
>
>

From ku0g@sprynet.com Fri Jun 21 00:22:13 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id AAA27385 for <aprssig@tapr.org>; Fri, 21 Jun 1996
00:22:11 -0500 (CDT)
From: ku0g@sprynet.com

Received: from [199.174.155.88] (dd13-088.compuserve.com [199.174.155.88]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id WAA28696 for <aprssig@tapr.org>; Thu, 20 Jun 1996 22:20:05 -0700
Date: Thu, 20 Jun 1996 22:20:05 -0700
Message-Id: <199606210520.WAA28696@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2231] How do I change addresses?
To: aprssig@tapr.org
In-Reply-To: <199606210417.XAA11885@misha.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

Do an unsubscribe using your old ISP address in the From field then do a new subscribe using the new ISP address! Easy, huh?

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From bruninga@nadm.navy.mil Fri Jun 21 00:46:18 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA27979 for <aprssig@tapr.org>; Fri, 21 Jun 1996 00:46:17 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id BAA00113; Fri, 21 Jun 1996 01:47:15 -0400
Date: Fri, 21 Jun 1996 01:47:14 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: SAREX and APRtrak notes
Message-ID: <Pine.SUN.3.91.960621012658.29997A-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The SAREX robot is configured to relay the special APRtrak position packets during this STS-78 mission. Stations running APRtrak should see successful packet uplink stations show up on their maps. For operating details, see the README\SPACE.txt file that came with APRtrak. The latest version of APRtrak is still version 0.5 dated in November 95 which was successfully used during the SPRE mission in January 96.

CAUTION: During recent testing, however, we have discovered that all versions of standard APRS after APRS74e will not properly detect a successful SAREX relay, and therefore should not be operated in AUTOMATIC SPACE Mode. Use APRtrak, or WATCH for your relayed packet and STOP transmitting when you are successful..

A beta test of APRS76e has been posted that hopefully solves this problem. It can be downloaded from tapr.org via ftp from the tapr/SIG/aprssiG/files/upload directory. Get the file beta76e.zip.

REMEMBER. Operate SPLIT mode, receiving on 145.55 and transmitting on 144.49 only when the SAREX Packet mode is operating.

de wb4apr@amsat.org

From rhost@itexas.net Fri Jun 21 06:18:30 1996
Received: from mailhost.itexas.net (mailhost.itexas.net [207.22.198.33]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id GAA06404 for <aprssig@tapr.org>; Fri, 21 Jun 1996 06:18:28 -0500 (CDT)
Received: from rhost.itexas.net ([207.22.198.46]) by mailhost.itexas.net (post.office MTA v1.9.3 ID# 0-12497) with SMTP id AAA133 for <aprssig@tapr.org>; Fri, 21 Jun 1996 06:20:18 -0500
Message-ID: <31CA770B.E23@itexas.net>
Date: Fri, 21 Jun 1996 06:18:51 -0400
From: rhost@itexas.net (Roy Bost)
X-Mailer: Mozilla 2.02 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: KPC-3 Help!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone know how to get controll of a Ver.6 KPC-3 after it has been put into GPS mode? The only way that I have found is to take the case off and do a hard reset! None of my packet programs will even find the tnc once it is GPS mode(Pack Term, Hostmaster II+, and PacketPet).

Roy W Bost
rhost@itexas.net
N5TAM

From ke4eer@worldnet.att.net Fri Jun 21 06:51:09 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA07423 for <aprssig@tapr.org>; Fri, 21 Jun 1996 06:51:06 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id LAA27139; Fri, 21 Jun 1996 11:51:34 GMT
Received: from 66.bridgeton-3.mo.dial-access.att.net(199.69.38.66) by mailhost.worldnet.att.net with SMTP id A27085; Fri Jun 21 11:51:23 1996
Message-ID: <31CAA87D.21EF@worldnet.att.net>
Date: Fri, 21 Jun 1996 06:49:49 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2230] Garmin 75 software
References: <Pine.SUN.3.92.960620204502.27166A-100000@cks>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Frank McJunkins wrote:

>

>

> Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916

Well Frank you mentioned Megallen before. Don't think you will find them any better then at Garmins believe me i know (And that's a fact)...

--

Bill KE4EER

ke4eer@worldnet.att.net

Yes i switched again Hi

From b.gotshall@worldnet.att.net Fri Jun 21 07:01:15 1996

Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA07625 for <aprssig@tapr.org>; Fri, 21 Jun 1996 07:01:12 -0500 (CDT)

Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)

id MAA04983; Fri, 21 Jun 1996 12:00:39 GMT

Date: Fri, 21 Jun 1996 12:00:39 GMT

Message-Id: <199606211200.MAA04983@mailhost.worldnet.att.net>

Received: from 114.orlando-1.fl.dial-access.att.net(199.70.196.114)

by mailhost.worldnet.att.net with SMTP

id A4938; Fri Jun 21 12:00:25 1996

X-Sender: b.gotshall@postoffice.worldnet.att.net

X-Mailer: Windows Eudora Light Version 1.5.2

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>

Subject: STS-78 KEPS?

Has anybody found a good source for the Keplerian Data,preferably in 2 line format?

Bud (WB4LTF)

From ke4eer@worldnet.att.net Fri Jun 21 07:11:50 1996

Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA08159 for <aprssig@tapr.org>; Fri, 21 Jun 1996 07:11:48 -0500 (CDT)

Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)

id MAA02480; Fri, 21 Jun 1996 12:12:15 GMT

Received: from 66.bridgeton-3.mo.dial-access.att.net(199.69.38.66)

by mailhost.worldnet.att.net with SMTP

id A2394; Fri Jun 21 12:11:45 1996

Message-ID: <31CAAD3B.2C2E@worldnet.att.net>

Date: Fri, 21 Jun 1996 07:10:03 -0700

From: William Nolle <ke4eer@worldnet.att.net>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2231] How do I change addresses?

References: <199606210417.XAA11885@misha.net>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Roger Sellers wrote:

>
> I will be changing IP provider in the near future. How to I go about
> changing my address to the new provider to continue getting this SIG?
>
> 73,
> Roger Sellers
> Amateur Radio: KB9LBU
> E-Mail Home: rsellers@misha.net
> E-Mail Work: rsellers@snds.com

Hi Roger. I guess i could answer that since i have done it many times Hi.
Go to the site listed below and unsubscribe, then when getting
confermation back that in fact it was done, go back to the same site and
re-subscribe. I have found this easy if you just go to the tapr site below.
By the way they will be down on Friday for a while dont remember the time.

<http://www.tapr.org/tapr/html/sigs.html>

--

Bill KE4EER
ke4eer@worldnet.att.net
Yes i switched again Hi

From rwf@mindspring.com Fri Jun 21 08:12:54 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA10449 for <aprssig@tapr.org>; Fri, 21
Jun 1996 08:12:52 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com
with SMTP id JAA27118 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:12:47 -0400
Date: Fri, 21 Jun 1996 09:12:47 -0400
Message-Id: <2.2.16.19960621085041.26176d7e@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2238] STS-78 KEPS?

Bud- there is a Mail-List (from ARRL, I think) that I belong to. It sends
me the keps automatically.
Usually I just trash them, unless I am working Satellites right then. Now I
look in my trash and can't find a single copy to use for getting you the
address. If no one else speaks up, I'll try to remember to send you the
address tonight.

Advisor

rwf@mindspring.com or n4neq@amsat.org

Atlanta, GA USA

Web: <http://www.mindspring.com/~rwf> for APRS, ATV, Balloon, and Ham info

My hobby is tracking Vehicles and other things using Ham Radio, GPS and APRS. Ask me how!

From AZWDC@aol.com Fri Jun 21 08:37:07 1996

Received: from emout19.mail.aol.com (emout19.mx.aol.com [198.81.11.45]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA11296 for <aprssig@tapr.org>; Fri, 21 Jun 1996 08:37:05 -0500 (CDT)

From: AZWDC@aol.com

Received: by emout19.mail.aol.com (8.6.12/8.6.12) id JAA29281 for aprssig@tapr.org; Fri, 21 Jun 1996 09:37:17 -0400

Date: Fri, 21 Jun 1996 09:37:17 -0400

Message-ID: <960621093716_222075792@emout19.mail.aol.com>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2236] KPC-3 Help!

Yep:....Hold the control key down and hit the c key three times (rapidly)

That should work providing you're at the same baud rate

DE JIM

WW7J

From martinbw@telalink.net Fri Jun 21 08:51:43 1996

Received: from eve.telalink.net (eve.telalink.net [199.1.88.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA11809 for <aprssig@tapr.org>; Fri, 21 Jun 1996 08:51:41 -0500 (CDT)

Received: from oscar.telalink.net (nash-pm2-s26.telalink.net [205.241.232.91]) by eve.telalink.net (8.7.5/Telalink-4.83) with SMTP id IAA03715 for <aprssig@tapr.org>; Fri, 21 Jun 1996 08:43:13 -0500 (CDT)

X-Mailer: InterCon TCP/Connect II 2.3.1

MIME-Version: 1.0

Message-Id: <9606210852.AA43134@oscar.telalink.net>

Date: Fri, 21 Jun 1996 08:52:43 -0500

From: "Bruce W. Martin" <martinbw@telalink.net>

To: aprssig@tapr.org

Subject: Re: KPC-3 Help!

Content-Type: Text/Plain; charset=US-ASCII

Content-Disposition: Inline

> Does anyone know how to get controll of a Ver.6 KPC-3 after it has
> been put into GPS mode? The only way that I have found is to take
> the case off and do a hard reset! None of my packet programs will
> even find the tnc once it is GPS mode(Pack Term, Hostmaster II+,
> and PacketPet).

> Roy W Bost

> rbost@itexas.net

> N5TAM

>

Send three "control-c" commands and that will reset it to term mode and give you the "cmd:" prompt. I know it is specified in the addendum for 6.0 but it is probably buried somewhere in the fine print.

Hope this helps,

Bruce

--

```
*****
* Bruce W. Martin           Internet: martinbw@telalink.net      *
* 4558 Brooke Valley Dr.    HAM Call: KQ4TV                     *
* Hermitage TN 37076-2650                                       *
* Voice: (615) 872-7733 Targeting:36 10 30 N/86 35 30 W         *
* FAX/MODEM: (615) 872-0045 APRS:3610.50N/08635.50W             *
* URL: http://www.telalink.net/~martinbw/home.html              *
* ftp://ftp.telalink.net/users/m/martinbw/ftp/incoming/         *
* I have a 486DX33 to play games and run some HAM programs,    *
* when I want to do serious work I use a Macintosh. 0-        *
*****
```

From ke4eer@worldnet.att.net Fri Jun 21 08:57:33 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA11877 for
<aprssig@tapr.org>; Fri, 21 Jun 1996 08:57:31 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id NAA08630; Fri, 21 Jun 1996 13:56:57 GMT
Received: from 245.bridgeton-3.mo.dial-access.att.net(199.69.38.245)
by mailhost.worldnet.att.net with SMTP
id A8585; Fri Jun 21 13:56:43 1996
Message-ID: <31CAC61E.CC6@worldnet.att.net>
Date: Fri, 21 Jun 1996 08:56:14 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Map needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob or anyone that has the 2M CD or files. I need 32 mile map centered on
SLIDEL, LA or maybe a 64 mile map since a lot of it will be water. I need
this because i'm making some maps for Jan in his area around New Orleans
but they don't seem to have any basic maps and he's trying to stirr up
some interest in APRS around there. By the way the coordinate for SLIDEL
is as follows 30,16.861 - 89,46.660. Thanks in advance.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

Yes i switched again Hi

From jleonard@tbcnet.com Fri Jun 21 09:14:37 1996
Received: from tbc1.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA12471 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:14:36 -0500 (CDT)
Received: from ts247.tbcnet.com (ts247.tbcnet.com [207.112.227.47]) by tbc1.tbcnet.com (8.7.4/8.7.3) with SMTP id JAA07301 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:14:34 -0500
Date: Fri, 21 Jun 1996 09:14:34 -0500
Message-Id: <199606211414.JAA07301@tbc1.tbcnet.com>
X-Authentication-Warning: tbc1.tbcnet.com: Host ts247.tbcnet.com [207.112.227.47] didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Subject: Re: [APRSSIG:2236] KPC-3 Help!

I think it takes 3 or more Ctrl-C's done REAL fast.

jbl

At 06:25 6/21/96 -0500, you wrote:

>Does anyone know how to get controll of a Ver.6 KPC-3 after it has been
>put into GPS mode? The only way that I have found is to take the case
>off and do a hard reset! None of my packet programs will even find the
>tnc once it is GPS mode(Pack Term, Hostmaster II+, and PacketPet).

> Roy W Bost
> rbost@itexas.net
> N5TAM
>

J Barry Leonard/N9VJQ
DeKalb IL
E-MAIL: jleonard@tbcnet.com
WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>

From steve.hall@lerc.nasa.gov Fri Jun 21 09:14:58 1996
Received: from linux.chuh.cleveland-heights.k12.oh.us (root@linux.chuh.cleveland-heights.k12.oh.us [205.133.64.42]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA12489 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:14:56 -0500 (CDT)
Received: from kk4pm.nasa.gov (kk4pm.lerc.nasa.gov [139.88.44.41]) by linux.chuh.cleveland-heights.k12.oh.us (8.6.12/8.6.9) with SMTP id KAA08498 for <aprssig@tapr.org>; Fri, 21 Jun 1996 10:29:49 -0400
Date: Fri, 21 Jun 1996 10:29:49 -0400
Message-Id: <2.2.16.19960621101836.30ef1974@popd.ix.netcom.com>
X-Sender: kk4pm@popd.ix.netcom.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Steve Hall <steve.hall@lerc.nasa.gov>
Subject: Re: [APRSSIG:2236] KPC-3 Help!

At 06:25 AM 6/21/96 -0500, you wrote:

>Does anyone know how to get controll of a Ver.6 KPC-3 after it has been
>put into GPS mode? The only way that I have found is to take the case
>off and do a hard reset! None of my packet programs will even find the
>tnc once it is GPS mode(Pack Term, Hostmaster II+, and PacketPet).

> Roy W Bost
> rbost@itexas.net
> N5TAM
>
>

Send it three "CTRL-C" in a row. (if it doesn't work the first time try
again -
the timing of the CTRL-Cs is important)

NOTE: This is similar to the way you exit from TRANSPARENT mode.

73 and good luck

Steve Hall - KK4PM (Operating Field Day mobile APRS - hoping to visit as many
APRS active field day sites in Ohio as possible!)

From fe2o3!rusty@ernest.itg.ti.com Fri Jun 21 09:16:22 1996
Received: from gate.ti.com (news.ti.com [192.94.94.33]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id JAA12539 for <aprssig@tapr.org>; Fri, 21 Jun 1996
09:16:20 -0500 (CDT)
Received: from robin.itg.ti.com ([128.247.31.238]) by gate.ti.com (8.6.13/
ac3i.dseg.ti.com) with ESMTP id JAA28687 for <aprssig@tapr.org>; Fri, 21 Jun 1996
09:15:47 -0500
Received: from ernest.itg.ti.com (ernest.itg.ti.com [128.247.93.118]) by
robin.itg.ti.com (8.7.3/8.6.11) with SMTP id JAA13429 for <tapr.org!aprssig>; Fri,
21 Jun 1996 09:10:41 -0500 (CDT)
Received: from fe2o3 by ernest.itg.ti.com with uucp
(Smail3.1.28.1 #4) id m0uX6wW-0000A5C; Fri, 21 Jun 96 09:12 CDT
Date: Fri, 21 Jun 96 09:12 CDT
Received: by fe2o3.LONESTAR.ORG (4.24/4.7)
id AA11965; Fri, 21 Jun 96 08:52:26 cdt
From: fe2o3!rusty@ernest.itg.ti.com (Rusty Haddock-KD4WLZ)
Message-Id: <9606211352.AA11965@fe2o3.LONESTAR.ORG>
Subject: Re: [APRSSIG:2238] STS-78 KEPS?
To: tapr.org!aprssig@ernest.itg.ti.com (B.G. Gotshall)
Reply-To: rusty@fe2o3.lonestar.org (Rusty Haddock/KD4WLZ)
In-Reply-To: <no.id> from "B.G. Gotshall" at Jun 21, 96 08:17:54 am
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text

B.G. Gotshall wrote:

```
>  
>Has anybody found a good source for the Keplerian Data,preferably in 2 line  
>format?
```

The best source there is:

<ftp://archive.afit.af.mil/pub/space/tle.new>

(this always points to the latest and greatest. There are files
for specific groups of objects [e.g. gps, am, glonass, wx, etc])

or

<http://www.grove.net/~tkelso/>

The same gentleman takes care of both.

-Rusty-

--

```
----- Rusty Haddock ### KD4WLZ ### rusty@fe2o3.lonestar.org  
| \ /   o \   o  
|   (  -<  0 o   I planted my antenna farm and what popped up was aluminum  
| / \__V__ / and copper tubing. Strange thing is... I used steel seeds!
```

From cdavidso@hemisphere.neocomm.net Fri Jun 21 09:23:34 1996
Received: from hemisphere.neocomm.net (root@hemisphere.neocomm.net
[205.160.234.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA12906 for
<aprssig@tapr.org>; Fri, 21 Jun 1996 09:23:32 -0500 (CDT)
Received: from Axton (ppp45.neocomm.net [205.160.234.45]) by
hemisphere.neocomm.net (8.6.11/8.6.9) with SMTP id KAA23640 for
<aprssig@tapr.org>; Fri, 21 Jun 1996 10:23:33 -0400
Message-Id: <199606211423.KAA23640@hemisphere.neocomm.net>
Comments: Authenticated sender is <cdavidso@hemisphere.neocomm.net>
From: "Charles W. Davidson" <cdavidso@hemisphere.neocomm.net>
Organization: Axton Acme
To: aprssig@tapr.org
Date: Fri, 21 Jun 1996 10:19:08 +0000
Subject: Re: [APRSSIG:2238] STS-78 KEPS?
Reply-to: cdavidso@hemisphere.neocomm.net
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.01)

I just found kep data for STS-78 at.....

<http://www.amsat.org/amsat/sarex/orbit.html>

chase

cdavidso@neocomm.net
<http://www.neocomm.net/~cdavidso/>
WB4PAN@WB4QOJ.VA.USA.NOAM

From Doug_Wetzel@acs.uswest.com Fri Jun 21 09:45:39 1996
Received: from uswgco2.uswc.uswest.com (uswgco2.uswest.com [206.196.133.74]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA13684 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:45:35 -0500 (CDT)
From: Doug_Wetzel@acs.uswest.com
Received: (from smap@localhost) by uswgco2.uswc.uswest.com (8.7.1/8.7.1) id IAA13576 for <aprssig@tapr.org>; Fri, 21 Jun 1996 08:44:22 -0600 (MDT)
Received: from egate.mnet.uswest.com(151.116.23.138) by uswgco2.uswc.uswest.com via smap (V1.3)
id sma013549; Fri Jun 21 08:44:07 1996
Received: from easthub (easthub.mnet.uswest.com [151.117.26.86]) by egate.mnet.uswest.com (8.7.1/8.7.1) with SMTP id IAA10209 for <aprssig@tapr.org>; Fri, 21 Jun 1996 08:44:07 -0600 (MDT)
Received: by easthub.mnet.uswest.com (M-Net Hub.951228)
Received: by acs.uswest.com (5.x/SMI-SVR4)
id AA06141; Fri, 21 Jun 1996 09:44:04 -0500
Received: from acmspgw1 by acs.uswest.com (5.x/SMI-SVR4)
id AB06120; Fri, 21 Jun 1996 09:43:53 -0500
Received: from ccMail by acmspgw1.mnet.uswest.com
(IMA Internet Exchange v1.04) id 1cb5e330; Fri, 21 Jun 96 21:45:07 -0500
Mime-Version: 1.0
Date: Fri, 21 Jun 1996 08:40:20 -0500
Message-Id: <1cb5e330@acmspgw1.mnet.uswest.com>
Return-Receipt-To: Doug_Wetzel@acs.uswest.com
Subject: Re: [APRSSIG:2223] Re: APRS on STS-78 Tomorrow! (fwd)
To: aprssig@tapr.org
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

The ARRL Bulletin says the packet call will be W5RRR-1

73
Doug
KC7CO

Subject: [APRSSIG:2223] Re: APRS on STS-78 Tomorrow! (fwd)
From: aprssig@tapr.org at Internet-Mail
Date: 6/20/96 17:03

On Thu, 20 Jun 1996, Ronald G. Parsons wrote:

> What UNPROTO alias will they be using? RELAY? W5RRR-1?

APRSDOS REPLY COMMENT: My guess is W5RRR or W5RRR-1

de wb4apr@amsat.org

From jleonard@tbcnet.com Fri Jun 21 09:51:36 1996
Received: from tbc1.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA14150 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:51:33 -0500 (CDT)

Received: from ts242.tbcnet.com (ts242.tbcnet.com [207.112.227.42]) by tbc1.tbcnet.com (8.7.4/8.7.3) with SMTP id JAA07909 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:51:30 -0500
Date: Fri, 21 Jun 1996 09:51:30 -0500
Message-Id: <199606211451.JAA07909@tbc1.tbcnet.com>
X-Authentication-Warning: tbc1.tbcnet.com: Host ts242.tbcnet.com [207.112.227.42] didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Subject: Re: [APRSSIG:2238] STS-78 KEPS?

At 07:07 6/21/96 -0500, you wrote:

>Has anybody found a good source for the Keplerian Data,preferably in 2 line
>format?

>

>Bud (WB4LTF)

>

Refer to

<http://tbcnet.com/~jleonard/leonard.htm>

or

<ftp://tbcnet.com/pub/jleonard>

for TLE's and STS78 Pass Predictions for NO IL area during FD

73

J Barry Leonard/N9VJQ

DeKalb IL

E-MAIL: jleonard@tbcnet.com

WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>

From ku0g@sprynet.com Fri Jun 21 09:52:13 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA14190 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:52:10 -0500 (CDT)

From: ku0g@sprynet.com

Received: from [199.174.144.86] (dd02-086.compuserve.com [199.174.144.86]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA19679 for <aprssig@tapr.org>; Fri, 21 Jun 1996 07:50:02 -0700

Date: Fri, 21 Jun 1996 07:50:02 -0700

Message-Id: <199606211450.HAA19679@m1.sprynet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:2236] KPC-3 Help!

To: aprssig@tapr.org
In-Reply-To: <31CA770B.E23@itexas.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

Here's how to regain control of the TNC (2 ways!)

- 1) Connect your terminal program to the TNC. Turn TNC off then back on. Hit CTRL C THREE TIMES in succession then hit ENTER. You should get a TNC RESET message and CMD: prompt. You are now back in TERMINAL mode.
- 2) Use the Remote Sysop function of the TNC by connecting to the TNC using another station with the SAME CALL (SSID is not important. Once you enter the password code you are able to execute any TNC command. At this point simply send INT TERMINAL. This will cause the TNC to reset and you can plug in then to do what you need to do. This mode is particularly useful if you have stand-alone trackers running and need to changes parms on the fly while the tracker is operating!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From bruninga@nadn.navy.mil Fri Jun 21 09:52:25 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA14209 for <aprssig@tapr.org>; Fri, 21 Jun 1996 09:52:23 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id KAA26421; Fri, 21 Jun 1996 10:53:18 -0400
Date: Fri, 21 Jun 1996 10:53:18 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: APRS and SAREX
Message-ID: <Pine.SUN.3.91.960621104648.25215A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just got word that SAREX is not scheduled to be unpacked until 1734 EDT today (fri) so we will not see SAREX here on the east coast probably until Saturday morning (first pass about 0920 EDT)...

And I suspect many passes will be voice..

If anyone has downloaded beta76e.zip and has any comments, please let me know. If it looks good, then I will release a new version of APRtrak too.

P.S. Be sure to set CONTROLS-LOGS to ON so you save any data on un-attended passes. Also be sure to do a FILES-SAVE before exiting APRS or APRtrak if you want to save what you got...

de wb4apr@amsat.org

Received: by cvpsun174.cvp.ti.com (4.1/SMI-4.1)
id AA02093; Fri, 21 Jun 96 10:45:55 CDT
Date: Fri, 21 Jun 96 10:45:55 CDT
From: dpage@cvpsun174.ti.com (Doug Page)
Message-Id: <9606211545.AA02093@cvpsun174.cvp.ti.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2246] Re: STS-78 KEPS?

Dr. Kelso's data does not yet include STS 78 (23931). He has been updating tle.new (et al) ~20:00 UTD each day, so look for it this afternoon.

In the mean time you can get the elements from JSC at:

<http://shuttle.nasa.gov/sts-78/orbit/orbiter/sighting/shuttle.html>

Be careful with this data. It is very early in the flight and, thus the elements have not yet stabilized. For example: the elements that I pulled last night (internally dated as being 20 June 1996 ~21:00 UTC) were almost 1/4 orbit behind the shuttle's actual position this morning. The elements that I just pulled from this sight were internally dated as 21 June 1996 01:00 UTC (actually 96173.0491276). These elements are currently a fairly good match to the models that NASA posts on the WWW at:

<http://shuttle.nasa.gov/sts-78/demos>

Also be aware that NASA may post more than one set of elements in the 'shuttle.html' location. Look for the one with the latest internal date/time.

More than enough said.

FWIW,

de KC5RRZ (Doug)

*** The opinions expressed are mine (maybe) and do not necessarily represent ***
*** those of my employer -- or any other sane person, for that matter. ***

Rusty Haddock-KD4WLZ wrote:

> B.G. Gotshall wrote:

> >

> >Has anybody found a good source for the Keplerian Data, preferably in 2 line

> >format?

>

> The best source there is:

>

> <ftp://archive.afit.af.mil/pub/space/tle.new>

>

> (this always points to the latest and greatest. There are files
> for specific groups of objects [e.g. gps, am, glonass, wx, etc])

>

> or

```

>
> http://www.grove.net/~tkelso/
>
> The same gentleman takes care of both.
>
> -Rusty-
>
> --
>
> ----- Rusty Haddock   ## KD4WLZ   ## rusty@fe2o3.lonestar.org
> | \ /   o \   o
> |   (  -<  O o   I planted my antenna farm and what popped up was aluminum
> | / \__V__ /   and copper tubing.  Strange thing is... I used steel seeds!
>
>

```

```

From schiers@ames.net Fri Jun 21 10:53:29 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA16979 for <aprssig@tapr.org>; Fri, 21 Jun 1996
10:53:27 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606211553.KAA16979@tapr.org>
Received: from [206.29.126.237] by ames.net id 56990.wrk; Fri, 21 Jun 1996
10:52:50 -0600
Date: Fri, 21 Jun 96 10:50:44 -0500
To: aprssig@tapr.org
Subject: Garmin 45 & PicoPacket
Cc: winaprs@tapr.org
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

```

I have a Garmin 45 and just ordered a Pico Packet standard model for mobiling about. I am not going to run APRS while mobile. I want to run in a stand alone mode with just the pico, garmin and radio.

If anyone has done this with a setup similar to this, could you please drop me some hints:

1. What data mode (i/o) should the Garmin 45 be in. Any special settings?
 2. What commands should I use in my terminal software to initially set up the pico tnc?
- e.g. gps commands, timed transmissions, etc.

Does data just automatically start flowing from the Garmin and the Pico decodes it and sends it out at some specified interval?

At this point, I don't have a clue and I should have all the parts ready to run by next Wednesday. TIA. 73,

hasan schiers, NOAN--

schiers@ames.net

From N2ZRC@gnn.com Fri Jun 21 11:13:48 1996
Received: from mail-e2b-service.gnn.com (mail-e2b-service.gnn.com [204.148.102.170]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA17705 for <APRSSIG@tapr.org>; Fri, 21 Jun 1996 11:13:44 -0500 (CDT)
Received: from 49-175.client.gnn.com. (49-175.client.gnn.com [205.188.49.175]) by mail-e2b-service.gnn.com (8.7.1/8.6.9) with SMTP id MAA28775 for <APRSSIG@tapr.org>; Fri, 21 Jun 1996 12:13:09 -0400 (EDT)
Message-Id: <199606211613.MAA28775@mail-e2b-service.gnn.com>
X-Mailer: GNNmessenger 1.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 21 Jun 1996 12:14:36
From: Arte Booten <N2ZRC@gnn.com>
To: APRSSIG@tapr.org
Subject: Re: [APRSSIG:2194] Re: Help with GPS-75 and mobile setup needed

On Wed, 19 Jun 1996 Jim Duncan wrote:

>I don't think version 5.0 firmware in the KPC-3 is GPS ready..
>Thought it was version 6.0...

Yup. There's also a V.5.1 (which I've got) which also is not GPS or APRS ready. But the upgrade chip (according to Kantroncis) is only about twenty or twenty-five bucks, which beats spending \$110+ for a new one!

Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)
(Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

Target those coordinates and fire quantum torpedoes.....

From N2ZRC@gnn.com Fri Jun 21 11:14:03 1996
Received: from mail-e2b-service.gnn.com (mail-e2b-service.gnn.com [204.148.102.170]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA17742 for <APRSSIG@tapr.org>; Fri, 21 Jun 1996 11:14:00 -0500 (CDT)
Received: from 49-175.client.gnn.com. (49-175.client.gnn.com [205.188.49.175]) by mail-e2b-service.gnn.com (8.7.1/8.6.9) with SMTP id MAA31100 for <APRSSIG@tapr.org>; Fri, 21 Jun 1996 12:13:20 -0400 (EDT)
Message-Id: <199606211613.MAA31100@mail-e2b-service.gnn.com>
X-Mailer: GNNmessenger 1.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 21 Jun 1996 12:15:34
From: Arte Booten <N2ZRC@gnn.com>
To: APRSSIG@tapr.org
Subject: Pac-com Pico-Packet w/GPS Help

Hi All,

Well, I finally got the PacCom Pico-Packet with the

built-in GPS receiver. Aside from the obvious (to most of us) considerations for getting such a unit, I intend to use it in various New York City ARES/RACES functions, such as parades, marathons and the like. I'm even going to try to get it into the New York City Marathon (for which comms are NOT handled by this group, but I'm Mile Captain for Mile 21 [where the race leaves the Bronx, down to 122nd Street and Fifth Avenue] and I think I know the right people to cajole about it.)

Those of you who have operated this unit already could do me a great service in rendering ANY advice or recommendations you may have about it. It'll (mostly) be used with a Yaesu FT-530 H-T (mobile and portable) thus freeing the mobile rig for voice comms.

My vehicle (Nissan Pathfinder) has a glass sunroof which has some kind of black grid on the inside of the glass to cut down on harsh sunlight. I suspect it's plastic, not metal. Below this is a thumbscrew-on headliner, which gives me a bit of space (1/2 to maybe 5/8 inch) between it and the glass. Seems to me, if the antenna is short enough, this would be a good place to put it, since I wouldn't have to route the cable outside the vehicle, it'd keep it dry and (unless this plastic grid is a problem) would be able to see the majority of the sky. BTW, I picked up a spare one of these sunroofs (rooves?) from an abandoned Nissan Stanza a few years ago ... they're identical.

Thanks for your responses. Please respond direct unless you think it'd be of general interest to the SIG. 73 de

Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)
(Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

Target those coordinates and fire quantum torpedoes.....

From pgilmore@beachnet.org Fri Jun 21 12:06:19 1996
Received: from loki.tor.hookup.net (uucp@loki.tor.hookup.net [165.154.1.21]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA20232 for <aprssig@tapr.org>; Fri, 21 Jun 1996 12:06:16 -0500 (CDT)
Received: from ve3ied.UUCP (uucp@localhost) by loki.tor.hookup.net (8.7.5/1.9) with UUCP id NAA27940 for tapr.org!aprssig; Fri, 21 Jun 1996 13:06:10 -0400 (EDT)
Received: from virginia.beachnet.org ([153.36.254.207]) by beachnet.org with smtp (Smail3.1.29.1 #7) id m0uX97k-0000cRC; Fri, 21 Jun 96 12:31 EDT
Message-ID: <31CACE9D.87F@beachnet.org>
Date: Fri, 21 Jun 1996 12:32:29 -0400
From: Paul Gilmore <pgilmore@beachnet.org>
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2235] SAREX and APRtrak notes

References: <Pine.SUN.3.91.960621012658.29997A-100000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all you APRS SAREX types..
I just uploaded a file to TAPR aprssig UPLOAD called STS78srx.zip.
It has all the sarex stuff you need to know and more.
Have a Great Field Day.....

Paul Gilmore 416-447-7964(voice) 416-447-8868(fax)
AX25 VA3PRG@VA3BBS.#SCON.ON.CA.NA
EMAIL pgilmore@beachnet.org

From edwardwr@inil.com Fri Jun 21 12:45:51 1996
Received: from mail.inil.com (inil.com [206.31.32.8]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id MAA21469 for <aprssig@tapr.org>; Fri, 21 Jun 1996
12:45:47 -0500 (CDT)
Received: from KAREN ([206.31.32.34]) by mail.inil.com
(post.office MTA v1.9.3b ID# 217-13549) with SMTP id AAA302
for <aprssig@tapr.org>; Fri, 21 Jun 1996 12:47:41 -0500
X-Sender: edwardwr@inil.com (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: edwardwr@inil.com (edwardwr)
Subject: DFJr
Date: Fri, 21 Jun 1996 12:47:41 -0500
Message-ID: <19960621174740831.AAA302@KAREN>

Hi, All!

I have watched the discussion on the Sig in reference to the Agrelo
engineering DF Jr. and thought I would throw my 2 cents worth into the pot.

I was/am one of the 10 beta testers receiving my unit several weeks
prior to the first "production" run.

When UPS dropped off the first package I sat down with the manual
and was able to put the antenna system together without any difficulty. I
hooked up the power cables and using a Standard 108C (mini-radio) went on
the air. I had some difficulty getting unit calibrated. Not being much of
a fox hunter I asked Dave, KA9NHL, to help with setup. Dave took the unit
down to the Central Illinois Balloon Association group and they proceeded to
run some tests. Being unable to get unit calibrated properly, they called
Joe Agrelo direct about what the unit was doing. When I got the DF Jr. back
from Dave and the CIBA folks, I called Agrelo and talked with Joe intending
to see how I could go about getting my unit fixed. Joe told me that a new
unit, coupler, and antenna system was on it's way to me already. And as a
matter of fact, it arrived 15 minutes after I got off the phone with Joe.
UPS Express delivery! I again assembled the antenna, hooked the unit up,
and it worked as advertised. I am able to consistently get accurate LOPs
displayed on both the box itself and on my trusty laptop screen. I will
have a much more comprehensive review of the system after this weekend as we
will be conducting a joint US Coast Guard Auxillary/US Naval Reserve
evolution on Lake Michigan in which part of the radio gear put to use will

be a DF Jr. (I can tell you right now that we (Dan N9XHP)were impressed enough with Beta units to order 10 additional DF Jrs. for the US Coast Guard Aux/Marine Safety use here on the Chicago lakefront.)

In conclusion, I'd like to note that in today's mail I received a microprocessor upgrade for the DF Jr. including complete installation instructions and a phone number to call for advice if you get stuck. Compare that to the recent comments concerning a major GPS manufacturer's policy on firmware/software upgrades. Agrelo engineering is a class act! Ed Rogers, N9LCI

73
Ed
N9LCI

MESSAGE OF THE MONTH

"A boat is a hole in the water into which you throw money"

From jratchf@bulldog.afsc.k12.ar.us Fri Jun 21 17:12:16 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA00237 for <aprssig@tapr.org>; Fri, 21 Jun 1996 17:12:14 -0500 (CDT)
Received: from jratchf.bulldog.afsc.k12.ar.us (slip3.afsc.k12.ar.us [170.211.157.177]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id QAA07995 for <aprssig@tapr.org>; Fri, 21 Jun 1996 16:41:03 -0500
Message-Id: <199606212141.QAA07995@bulldog.afsc.k12.ar.us>
From: "J. Scott Ratchford, KC5JGV" <jratchf@bulldog.afsc.k12.ar.us>
To: <aprssig@tapr.org>
Subject: Re: [APRSSIG:2258] DFJr
Date: Fri, 21 Jun 1996 16:37:40 -0500
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1085
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The uP chip that you recieved was a result of a problem with the GPS interfacing. I noted it to them about 10 days ago. They promptly halted production, tested, got the same results and proceeded to upgrade every unit already out there. Joe told me yesterday that about 50 of those chips were sent out!

> In conclusion, I'd like to note that in today's mail I received
> a
> microprocessor upgrade for the DF Jr. including complete installation
> instructions and a phone number to call for advice if you get stuck.
> Compare that to the recent comments concerning a major GPS
manufacturer's
> policy on firmware/software upgrades. Agrelo engineering is a class
act!
> Ed Rogers, N9LCI

If you can afford to throw money in a hole in the wate, buy a ship!

> MESSAGE OF THE MONTH
>
> "A boat is a hole in the water into which you throw money"

From gerry@cs.tamu.edu Fri Jun 21 17:16:11 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA00285 for <aprssig@tapr.org>; Fri, 21 Jun 1996 17:16:09 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id QAA08599 for <aprssig@tapr.org>; Fri, 21 Jun 1996 16:09:55 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id QAA08092 for aprssig@tapr.org; Fri, 21 Jun 1996 16:08:40 -0500
Message-Id: <199606212108.QAA08092@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2238] STS-78 KEPS?
To: aprssig@tapr.org
Date: Fri, 21 Jun 1996 16:08:40 -0500 (CDT)
In-Reply-To: <199606211200.MAA04983@mailhost.worldnet.att.net> from "B.G. Gotshall" at Jun 21, 96 07:07:38 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As I get it, I'll post it to the List.

73, gerry

From gerry@cs.tamu.edu Fri Jun 21 17:16:52 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA00304 for <aprssig@tapr.org>; Fri, 21 Jun 1996 17:16:51 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id QAA09004 for <aprssig@tapr.org>; Fri, 21 Jun 1996 16:24:00 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id QAA08294 for aprssig@tapr.org; Fri, 21 Jun 1996 16:22:44 -0500
Message-Id: <199606212122.QAA08294@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2254] Garmin 45 & PicoPacket
To: aprssig@tapr.org
Date: Fri, 21 Jun 1996 16:22:44 -0500 (CDT)
In-Reply-To: <199606211553.KAA16979@tapr.org> from "schiers@ames.net" at Jun 21, 96 11:20:07 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

schiers@ames.net sez:

>
> If anyone has done this with a setup similar to this, could you please
> drop me some hints:

Sounds like Cows In Space to me...

> 1. What data mode (i/o) should the Garmin 45 be in. Any special settings?

NMEA 0183 V2

> 2. What commands should I use in my terminal software to initially set up
> the pico tnc?
> e.g. gps commands, timed transmissions, etc.

The manual is pretty good on this...

- A) LOC E 30 sets the Pico to transmit the LTEXT contents every 300 sec (5 min)
- B) LPATH APRS v [digi1] [digi2]...
- C) MTRANS ON (if it supports this) allows you to monitor while in transparent mode for things like DGPS
- D) GPS ON

> Does data just automatically start flowing from the Garmin and the Pico
> decodes it and sends it out at some specified interval?

If GPS is on, it comes up in GPS mode when power's applied. Data that meets the GPSTEXT mask will be placed in LTEXT and sent periodically. I'd expect teh Garmin to start up in the same mode as it was powered down from.

gerry

From gerry@cs.tamu.edu Fri Jun 21 17:17:52 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA00323 for <aprssig@tapr.org>; Fri, 21 Jun 1996 17:17:50 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id QAA08835 for <aprssig@tapr.org>; Fri, 21 Jun 1996 16:17:55 -0500

From: Gerald J Creager <gerry@cs.tamu.edu>

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id QAA08206 for aprssig@tapr.org; Fri, 21 Jun 1996 16:16:40 -0500

Message-Id: <199606212116.QAA08206@solar.cs.tamu.edu>

Subject: Re: [APRSSIG:2253] Re: STS-78 KEPS?

To: aprssig@tapr.org

Date: Fri, 21 Jun 1996 16:16:40 -0500 (CDT)

In-Reply-To: <9606211545.AA02093@cvpsun174.cvp.ti.com> from "Doug Page" at Jun 21, 96 10:54:19 am

X-Mailer: ELM [version 2.4 PL25]

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Doug Page sez:

>

> Dr. Kelso's data does not yet include STS 78 (23931). He has been updating
> tle.new (et al) ~20:00 UTD each day, so look for it this afternoon.
>
> In the mean time you can get the elements from JSC at:
>
> <http://shuttle.nasa.gov/sts-78/orbit/orbiter/sighting/shuttle.html>
>
> Be careful with this data. It is very early in the flight and, thus the
> elements have not yet stabilized. For example: the elements that I pulled
> last night (internally dated as being 20 June 1996 ~21:00 UTC) were almost
> 1/4 orbit behind the shuttle's actual position this morning. The elements

Unless things have changed recently, these were, indeed, propagated Keps,
based on propagated state vectors (the "propagated" part is significant). You
might get caught occasionally with "what-if" maneuver vectors, rather than
analysis based vectors, thus leading to some transient errors. HOWEVER, they
should be reasonable. Unlike expendable launch vehicles, and their payloads
that may take several days to stabilize, the Shuttle is actively stabilized,
and anything posted after OMS-2 should represent a good vector, if it's
analysis-based.

> that I just pulled from this sight were internally dated as 21 June 1996
> 01:00 UTC (actually 96173.0491276). These elements are currently a fairly
> good match to the models that NASA posts on the WWW at:
>
> <http://shuttle.nasa.gov/sts-78/demos>

The DEMOS system is a good comparison for you to use: Based on analysis-based
vectors, it shows the attitude and subsatellite point. SGI systems can do some
neat things!

Gerry

> Also be aware that NASA may post more than one set of elements in the
> 'shuttle.html' location. Look for the one with the latest internal date/time.

True enough.

From 70511.3107@compuserve.com Fri Jun 21 17:18:13 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA00339 for <aprssig@tapr.org>; Fri, 21 Jun 1996
17:17:53 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id QAA08863 for <aprssig@tapr.org>; Fri, 21
Jun 1996 16:18:21 -0500
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id QAA08222 for
aprssig@tapr.org; Fri, 21 Jun 1996 16:17:06 -0500
Received: from amsat.org (amsat.org [128.54.16.15]) by cs.tamu.edu (8.6.10/8.6.4)
with ESMTP id LAA29593 for <gerry@cs.tamu.edu>; Fri, 21 Jun 1996 11:23:55 -0500
Received: (daemon@localhost) by amsat.org (8.7.5/8.6.9) id GAA24111 for sarex-
list; Fri, 21 Jun 1996 06:03:10 -0700 (PDT)
Errors-To: owner-sarex@amsat.org
Sender: gerry@cs.tamu.edu

Precedence: List

Received: from dub-img-2.compuserve.com (dub-img-2.compuserve.com [198.4.9.2]) by amsat.org (8.7.5/8.6.9) with SMTP id GAA24100 for <sarex@amsat.org>; Fri, 21 Jun 1996 06:02:58 -0700 (PDT)

Received: by dub-img-2.compuserve.com (8.6.10/5.950515)
id IAA11141; Fri, 21 Jun 1996 08:59:22 -0400

Date: 21 Jun 96 08:56:03 EDT

From: Ken Ernandes <70511.3107@compuserve.com>

To: STS TLE List <ststle@spacelink.msfc.nasa.gov>,
Spacelink News <slnews@spacelink.msfc.nasa.gov>,
cape-canaveral network o <grcc@ams.gsfc.nasa.gov>,
SAREX <sarex@amsat.org>,
Shuttle Vector <shuttle.keps@totrbbs.atl.ga.us>

Subject: STS-78 Rev 15 Orbital Data

Message-ID: <960621125603_70511.3107_IHD74-1@CompuServe.COM>

STS - 78 ORBITAL DATA

Below is the rev 15 State Vector and Keplerian Elements for STS-78.
The vector data comes from NASA; the orbital parameters were computed from the vector. Hourly vector updates are available from NASA GSFC
OIG RAID RBBS at (301) 262-6782 or by telnet: oig1.gsfc.nasa.gov
(UserID = oig / Password = goddard1).

Vector format = 117

Satellite Name: STS-78
Catalog Number: 23931 96036A
Epoch Date/Time: 96173.50125578700
06/21/1996 12:01:48.499 UTC
EFG E: 16938215 ft
F: 779934 ft
G: 13725453 ft
Edot: -1286.34 ft/s
Fdot: 24130.97 ft/s
Gdot: 222.28 ft/s
ndot/2 (drag): 0.00013200042 rev/day^2
nddt/6: 7.26162E-10 rev/day^3
Bstar: 2.35758E-05 1/Earth Radii
Elset #: 5
Rev @ Epoch: 15.24776279058

Launch was 20-JUN-96 / 14:49:00.093

The following Keplerian elements were computed by VEC2TLE from this vector using a 0.25 drag multiplier:

STS-78

1 23931U 96036A 96173.50125579 .00013200 72616-9 23576-4 0 54
2 23931 39.0143 4.0637 0007869 281.3346 167.8600 16.00622230 153

Satellite: STS-78

Catalog number: 23931

Epoch time: 96173.50125579

Element set: 5
Inclination: 39.0143 deg
RA of node: 4.0637 deg
Eccentricity: 0.0007869
Arg of perigee: 281.3346 deg
Mean anomaly: 167.8600 deg
Mean motion: 16.00622230 rev/day
Decay rate: 1.32000e-04 rev/day^2
Epoch rev: 15
Checksum: 265

VEC2TLE may be downloaded from:
[ftp.amsat.org /amsat/software/PC/util](ftp://amsat.org/amsat/software/PC/util)

Ken Ernandes
n2wwd@amsat.org

From christen@codger.physics.duq.edu Fri Jun 21 18:03:54 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA02218 for <aprssig@tapr.org>; Fri, 21
Jun 1996 18:03:50 -0500 (CDT)
Received: from wm3.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA08161; Fri, 21 Jun 1996 19:00:40 -0400
Message-Id: <31CB2A2C.135B@codger.physics.duq.edu>
Date: Fri, 21 Jun 1996 19:03:08 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2238] STS-78 KEPS?
References: <199606211200.MAA04983@mailhost.worldnet.att.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

B.G. Gotshall wrote:

>
> Has anybody found a good source for the Keplerian Data,preferably in 2 line
> format?

Sure.

<http://www.grove.net/~tkelso/>

From MMuecke@InterfaceTech.com Fri Jun 21 18:18:32 1996
Received: from covina.lightside.com ([207.67.176.1]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id SAA03133 for <aprssig@tapr.org>; Fri, 21 Jun 1996 18:18:29 -0500
(CDT)
Received: from InterfaceTech.com by covina.lightside.com with smtp
(Smail3.1.28.1 #6) id m0uXE7I-0004JeC; Fri, 21 Jun 96 14:51 PDT

Received: by localhost from InterfaceTech.com
(router,WinSmtP -Win32- V1.07beta1.7.s); Fri, 21 Jun 1996 14:48:19
Received: from Admin by InterfaceTech.com
(207.67.180.65::mail daemon,WinSmtP -Win32- V1.07beta1.7.s); Fri, 21 Jun 1996
14:47:34
X-Sender: Mel Muecke <mmuecke@InterfaceTech.com>
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Mel Muecke <MMuecke@InterfaceTech.com>
Subject: MAR-6 and GPS Antenna Preamp
Date: Fri, 21 Jun 1996 14:48:19
Message-Id: <19960621144819.062a31b4.in@InterfaceTech.com>

I found an ad for mini-circuits mentioning they have a 740 pg Handbook. I
sent a short note mentioning the antenna project and here is their reply:

>The Mini-Circuits Handbook is free of charge. We will send you one
>via UPS as soon as we get your address. Please forward your address
>via E-mail or by phone at 417-337-8812.

>

>The MAR-6 or MAR-6SM (same unit with leads bent for surface mount)
>should give about 15 dB of gain in the GPS band. The 3 dB noise
>figure is also quite respectable for such a tiny unit.

>

>The MAR-6 is rated "conditionally stable," meaning that if the VSWR
>at the input or output exceeds 5:1 it can oscillate. Cascading the
>MAR-6 is possible for added gain, but some isolation is necessary
>between stages to prevent reflections and resulting oscillations.
>Generally, a 3 dB pad between the stages (6 dB isolation) will be
>sufficient. . . . Gerry Edson, WA0KNW - applications eng.

>

>

Their web page is at www.minicircuits.com

Mel

@__0~_	Mel Muecke - Applications Engineer
,>/->/-#	mmuecke@InterfaceTech.com
(*)\--\(*)	Interface Technology - Walnut, CA USA
	(909) 595-6030 Fax (909) 595-7177

From wd5ivd@tapr.org Fri Jun 21 20:02:03 1996
Received: (from wd5ivd@localhost) by tapr.org (8.7.5/8.7.3/1.9) id UAA07358 for
aprssig@tapr.org; Fri, 21 Jun 1996 20:02:03 -0500 (CDT)
From: Greg Jones <wd5ivd@tapr.org>
Message-Id: <199606220102.UAA07358@tapr.org>
Subject: Digest Mode
To: aprssig@tapr.org (BBS SIG mailing)
Date: Fri, 21 Jun 1996 20:02:03 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]

Content-Type: text

This seems to be a popular setting.

To get the APRS SIG in a daily digest mode -- send e-mail to
listserv@tapr.org and in the message enter

set aprssig digest

Then you will get a daily message -- which is easy to browse. Someone
recently posted a little script that takes the digest and breaks it back
out -- guess someone should snag that and put it in the ftp area with some
information.

Cheers - Greg, WD5IVD

From ke4eer@worldnet.att.net Fri Jun 21 20:11:31 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA07659 for
<aprssig@tapr.org>; Fri, 21 Jun 1996 20:11:29 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id UAA05115; Fri, 21 Jun 1996 20:14:56 GMT
Received: from 109.middletown-57.va.dial-access.att.net(207.116.6.109)
by mailhost.worldnet.att.net with SMTP
id A5050; Fri Jun 21 20:14:42 1996
Message-ID: <31CB1ECE.6344@worldnet.att.net>
Date: Fri, 21 Jun 1996 15:14:38 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: STS-78
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Where can a person get the STS-78 elements, i downloaded all the ones
mentioned and didn't see STS-78 mentioned at all. Shouldn't it be listed
as such in the files?.

--

Bill KE4EER
ke4eer@worldnet.att.net
Yes i switched again Hi

From gerry@cs.tamu.edu Fri Jun 21 20:34:42 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id UAA08593 for <aprssig@tapr.org>; Fri, 21 Jun 1996
20:34:30 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id QAA09029; Fri, 21 Jun 1996 16:24:52 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id QAA08333; Fri,
21 Jun 1996 16:23:36 -0500
Message-Id: <199606212123.QAA08333@solar.cs.tamu.edu>

Subject: STS-78 element set JSC-903 (21-Jun-96) (fwd)
To: aprssig@tapr.org, rburke@sat.net (Rory Burke),
joejarre@netcom.com (Joe Jarrett), elendir@inf.enst.fr (Elendir),
jmaynard@admin5.hsc.uth.tmc.edu (Jay Maynard),
351.1297@mcimail.com (Fred Maia),
morgan@sed.jsc.nasa.gov (Bill Morgan),
WAYNE@kamugate.tamu.edu (Wayne Pecena),
vis_pfg@unx1.shsu.edu (Paul Gilbert), john@hercules.xilinx.com (John),
g-taylor4@tamu.edu (Greg Taylor),
cakifer@lims02.lerc.nasa.gov (C.A. Kifer),
515.0511@mcimail.com (Jeff Bauer), stevej@onramp.net (Steve Jones),
cowdin@pogo.den.mmc.com (Dave Cowdin),
cranston.reid@windmill.com (Cranston Reid),
bkline@space.honeywell.com (Bob Kline),
kuszniir@owens.ridgecrest.ca.us (Jim Kuszniir)
Date: Fri, 21 Jun 1996 16:23:35 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Date: Fri, 21 Jun 1996 09:29:05 -0500
> Subject: STS-78 element set JSC-903 (21-Jun-96)
>
>
>
> STS-78
> 1 23931U 96036A 96173.04912476 .00128600 00000-0 22834-3 0 9035
> 2 23931 39.0142 7.0951 0007255 276.8911 83.1241 16.00541057 80
>
> Satelllite: STS-78
> Catalog number: 23931
> Epoch time: 96173.04912476 = yrday.fracday
> Element set: 903
> Inclination: 39.0142 deg
> RA of node: 7.0951 deg
> Eccentricity: .0007255
> Arg of perigee: 276.8911 deg
> Mean anomaly: 83.1241 deg
> Mean motion: 16.00541057 rev/day
> Decay rate: 1.28600E-03 rev/day^2
> Epoch rev: 8
> Checksum: 278
>
>
> Gil Carman
>
>
>

--

Gerry Creager N5JXS

* SAREX Co-Investigator

```
gerry@cs.tamu.edu      *    A little radio that lets kids talk
                        *    to astronauts, and smile
*****
```

From kc6hur@garc.gsfc.nasa.gov Fri Jun 21 21:10:49 1996
Received: from garc.gsfc.nasa.gov (kc6hur@garc.gsfc.nasa.gov [128.183.105.32]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA09826 for <aprssig@tapr.org>; Fri, 21 Jun 1996 21:10:47 -0500 (CDT)
Received: from localhost (kc6hur@localhost) by garc.gsfc.nasa.gov (8.6.11/8.6.9) with SMTP id WAA18391 for <aprssig@tapr.org>; Fri, 21 Jun 1996 22:10:38 -0400
Date: Fri, 21 Jun 1996 22:10:35 -0400 (EDT)
From: Randy Hammock <kc6hur@garc.gsfc.nasa.gov>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2236] KPC-3 Help!
In-Reply-To: <31CA770B.E23@itexas.net>
Message-ID: <Pine.LNX.3.93.960621220905.18383A-100000@garc.gsfc.nasa.gov>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 21 Jun 1996, Roy Bost wrote:

> Does anyone know how to get controll of a Ver.6 KPC-3 after it has been
> put into GPS mode?

Three (3) Ctrl-C characters in a row should do it.

— —

Randy Hammock KC6HUR | E-Mail: kc6hur@garc.gsfc.nasa.gov
8951 Tamar Drive, Apt 101 | Voice: +1-410-964-5503
Columbia, MD 21045 |

From dkaplan@pionet.net Fri Jun 21 21:11:58 1996
Received: from ELWOOD.pionet.net (ELWOOD.pionet.net [199.120.116.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA09849 for <aprssig@tapr.org>; Fri, 21 Jun 1996 21:11:55 -0500 (CDT)
Received: from pm1_124.pionet.net by ELWOOD.pionet.net; (5.65v3.0/1.1.8.2/030ct95-1046AM)
id AA09956; Fri, 21 Jun 1996 21:16:44 -0500
Date: Fri, 21 Jun 1996 21:16:44 -0500
Message-Id: <9606220216.AA09956@ELWOOD.pionet.net>
X-Sender: dkaplan@elwood.pionet.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="=====_835416669==_"
To: aprssig@tapr.org
From: Dave Kaplan <dkaplan@pionet.net>
Subject: Slidel, LA
X-Attachments: C:\MAPMAKIN\SLDL64.DAT; C:\MAPMAKIN\SLDL32.DAT;

```
--=====835416669==_
Content-Type: text/plain; charset="us-ascii"
```

Id doesn't seem possible, but I made the maps based on your information.

There are hardle any points out there. Look it over and tell me if I did what you needed.

Dave

--===== _835416669==_

Content-Type: text/plain; charset="us-ascii"

Content-Disposition: attachment; filename="SLDL64.DAT"

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comments
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437, 219
439, 212
446, 202
449, 197
0, 0
10,12
109, 423
118, 423
0, 0
10,13
470, 453
454, 454
0, 0
10,14
118, 423
125, 442
0, 0
10,15
650, 504
652, 494
0, 0
10,16
686, 684
691, 683
691, 682
0, 0
10,17
578, 686
551, 687
544, 684
0, 0
10,18
647, 690

650, 697
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10,19
619, 690
619, 696
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10,110
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544, 684
0, 0
10,111
667, 697
663, 702
663, 702
657, 710
657, 710
650, 697
0, 0
10,112
508, 720
534, 700
0, 0
10,113
509, 739
508, 720
0, 0
10,114
668, 733
672, 730
675, 727
677, 726
678, 724
678, 723
678, 721
675, 718
672, 717
670, 717
664, 718
661, 717
658, 715
657, 710
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10,115
619, 690
647, 690
647, 690
665, 691
0, 0
10,116
686, 684
676, 690
672, 693
667, 697

0, 0
10,117
665, 691
671, 690
683, 684
684, 684
686, 684
0, 0
10,118
726, 657
712, 667
706, 670
704, 671
700, 672
689, 676
691, 682
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10,119
726, 657
726, 665
725, 667
726, 673
0, 0
10,120
544, 684
531, 675
518, 666
507, 659
497, 653
491, 650
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619, 690
598, 690
587, 685
578, 686
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480, 647
475, 645
468, 643
463, 642
457, 640
449, 638
444, 637
393, 633
353, 630
314, 619
300, 616
300, 616
274, 611
264, 608

0, 0
10,123
619, 690
620, 679
623, 664
639, 568
650, 504
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10,124
726, 657
731, 653
736, 648
742, 639
745, 636
748, 633
751, 630
753, 627
756, 624
760, 619
767, 609
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816, 552
819, 544
819, 544
823, 534
823, 534
811, 532
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823, 534
825, 525
826, 522
825, 519
824, 512
823, 507
823, 503
823, 499
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767, 609
778, 599
785, 593
790, 588
801, 578
809, 569
816, 552
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10,128
873, 535
866, 538
842, 538
823, 534

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160, 486
166, 483
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144, 485
157, 494
166, 500
170, 503
174, 506
179, 509
183, 514
189, 523
200, 533
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210, 559
220, 578
228, 589
234, 593
245, 599
264, 608
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133, 484
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10,133
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102, 476
99, 476
96, 475
73, 469
47, 470
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115, 476
115, 472
114, 467
121, 467
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10,135
229, 466

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166, 483
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425, 454
397, 456
372, 457
363, 457
352, 456
340, 456
294, 458
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283, 459
281, 459
270, 460
244, 463
229, 466
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475, 626
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476, 614
477, 605
478, 600
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495, 543
494, 536
492, 530
490, 520
488, 514
485, 502
483, 495
480, 487
476, 484
474, 482
471, 477
471, 477

468, 474
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447, 442
454, 454
454, 454
461, 463
468, 474
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10,139
650, 504
658, 499
0, 0
10,140
470, 453
571, 451
580, 452
592, 458
620, 466
629, 469
654, 476
654, 476
668, 479
686, 489
701, 496
717, 503
732, 512
751, 521
785, 532
811, 532
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823, 499
827, 495
830, 490
832, 485
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843, 462
845, 457
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10,142
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432, 344
432, 354
432, 359
432, 367
438, 382
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447, 403
447, 409
447, 423
447, 442
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10,143
432, 283
432, 332
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10,144
432, 283
432, 258
435, 242
436, 228
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636, 741
642, 741
645, 741
651, 740
653, 740
655, 739
668, 733
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461, 197
458, 202
454, 206
445, 221
443, 228
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12,22
441, 283
432, 283
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12,23
109, 423
95, 398
88, 386
78, 369
71, 358
70, 350
66, 326
65, 323
60, 323
57, 322
55, 319
53, 317
48, 315
46, 314
43, 312
41, 310
37, 309
34, 307
30, 306
25, 305
18, 303

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12,24
457, 443
447, 442
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12,25
118, 423
116, 435
116, 435
109, 423
0, 0
12,26
470, 453
467, 442
0, 0
12,27
116, 435
119, 442
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129, 442
125, 442
125, 442
119, 442
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476, 474
468, 474
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811, 532
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819, 544
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480, 647
461, 658
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12,213
726, 673
748, 665
752, 661
759, 658
764, 651
764, 649
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12,214
691, 682
700, 681
715, 676

723, 674
726, 673
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619, 696
650, 697
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659, 699
665, 691
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12,217
577, 695
576, 703
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12,218
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618, 700
0, 0
12,219
659, 699
663, 702
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12,220
612, 729
614, 726
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295, 795

--=====835416669==_

Content-Type: text/plain; charset="us-ascii"

Content-Disposition: attachment; filename="SLDL32.DAT"

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98, 382
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572, 841
571, 840
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345, 846
292, 849
278, 843
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483, 856
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427, 867
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258, 876
278, 843
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504, 895
504, 895
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206, 914
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535, 935
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543, 927
546, 924
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539, 911
534, 910
529, 909
519, 911

512, 909
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483, 856
520, 858
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543, 855
533, 861
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520, 858
532, 855
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557, 844
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642, 789
613, 810
602, 815
598, 817
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571, 840
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642, 789
642, 805
640, 810
641, 821
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278, 843
252, 825
226, 807
204, 792
184, 781
171, 776
149, 770
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428, 855
386, 855
364, 845
345, 846
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149, 770

139, 765

125, 761

115, 759

104, 755

88, 751

78, 750

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428, 855

429, 833

435, 804

468, 611

490, 483

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10,121

642, 789

652, 781

661, 771

675, 754

680, 748

686, 742

692, 735

696, 729

701, 723

710, 712

724, 694

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828, 564

828, 564

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835, 542

811, 539

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835, 542

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841, 519

841, 513

838, 499

836, 489

835, 482

836, 474

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746, 674

759, 661

771, 650

792, 630

809, 613
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921, 551
873, 551
835, 542
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145, 748
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139, 727
140, 710
141, 703
143, 686
145, 674
147, 671
148, 667
161, 653
167, 645
173, 631
175, 626
184, 602
186, 593
185, 584
182, 572
180, 562
177, 546
175, 535
170, 516
166, 503
160, 479
155, 465
151, 449
142, 444
138, 439
131, 429
131, 429
126, 423
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98, 382
98, 382
111, 401
126, 423

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490, 483
505, 474
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130, 382
332, 377
350, 380
373, 391
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498, 428
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592, 468
623, 481
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853, 445
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881, 389
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83, 282
83, 293
83, 320
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10,134
54, 41
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126, 423
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801, 565
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695, 798
707, 792
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718, 774
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571, 840
589, 836
619, 828
635, 823
641, 821
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12,210

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508, 874
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343, 865
341, 881
0, 0
12,213
427, 867
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0, 0
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508, 874
515, 879
0, 0
12,215
413, 933
417, 926

--=====835416669==_--

From dkaplan@pionet.net Fri Jun 21 21:26:22 1996
Received: from ELWOOD.pionet.net (ELWOOD.pionet.net [199.120.116.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA10480 for <aprssig@tapr.org>; Fri, 21 Jun 1996
21:26:21 -0500 (CDT)
Received: from pm1_124.pionet.net by ELWOOD.pionet.net;
(5.65v3.0/1.1.8.2/030ct95-1046AM)
id AA11267; Fri, 21 Jun 1996 21:31:15 -0500
Date: Fri, 21 Jun 1996 21:31:15 -0500
Message-Id: <9606220231.AA11267@ELWOOD.pionet.net>
X-Sender: dkaplan@elwood.pionet.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Dave Kaplan <dkaplan@pionet.net>
Subject: Re: [APRSSIG:2270] Slidel, LA

I AM SO SORRY!

I tried to send a message to KE4EER and sent it to the group instead. I
know better but I screwed up! Whats worse it the sizew of the message!
Well, if you're going to make a mistake--make a big one.

Flame me in private please--I have no one to blame but me.

Dave
dkaplan@pionet.net

From cdavidso@hemisphere.neocomm.net Fri Jun 21 22:34:30 1996
Received: from hemisphere.neocomm.net (root@hemisphere.neocomm.net [205.160.234.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA13416 for <aprssig@tapr.org>; Fri, 21 Jun 1996 22:34:28 -0500 (CDT)
Received: from Axton (ppp46.neocomm.net [205.160.234.46]) by hemisphere.neocomm.net (8.6.11/8.6.9) with SMTP id XAA17002 for <aprssig@tapr.org>; Fri, 21 Jun 1996 23:34:41 -0400
Message-Id: <199606220334.XAA17002@hemisphere.neocomm.net>
Comments: Authenticated sender is <cdavidso@hemisphere.neocomm.net>
From: "Charles W. Davidson" <cdavidso@hemisphere.neocomm.net>
Organization: Axton Acme
To: aprssig@tapr.org
Date: Fri, 21 Jun 1996 23:30:12 +0000
Subject: control of remote TNC ?
Reply-to: cdavidso@hemisphere.neocomm.net
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.01)

What are the options for control of a remote wide digi.? Do some tnc's come with this ability? I know some have remote sysop for mail only. What type eprom burn is best for control, ie xmit on off, unproto change, mycall, myalias, etc. What works for you ?
Thanks

cdavidso@neocomm.net

chase

cdavidso@neocomm.net
<http://www.neocomm.net/~cdavidso/>
WB4PAN@WB4QOJ.VA.USA.NOAM

From elmartin@iamerica.net Fri Jun 21 22:52:57 1996
Received: from ns2.iamerica.net (ns2.iamerica.net [205.173.248.33]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA13817 for <aprssig@tapr.org>; Fri, 21 Jun 1996 22:52:55 -0500 (CDT)
Received: from linux-kc5enu.ampr.org (elmartin@iad_ppp0507.iamerica.net [205.173.253.208]) by ns2.iamerica.net (8.6.13/950817.04ccg) with SMTP id WAA10728 for <aprssig@tapr.org>; Fri, 21 Jun 1996 22:54:02 -0500
Date: Fri, 21 Jun 1996 22:53:09 -0500 (CDT)
From: "Eric L. Martin" <elmartin@iamerica.net>
X-Sender: elmartin@linux-kc5enu.ampr.org
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2254] Garmin 45 & PicoPacket
In-Reply-To: <199606211553.KAA16979@tapr.org>
Message-ID: <Pine.LNX.3.91.960621220530.8526B-100000-100000@linux-kc5enu.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 21 Jun 1996 schiers@ames.net wrote:

> I have a Garmin 45 and just ordered a Pico Packet standard model for
> mobiling about. I am not going to run APRS while mobile. I want to run in
> a stand alone mode with just the pico, garmin and radio.

>

> If anyone has done this with a setup similar to this, could you please
> drop me some hints:

>

> 1. What data mode (i/o) should the Garmin 45 be in. Any special settings?

>

NONE/NMEA (That will give you no input and NMEA output; No need for the
input)

NMEA 0183 2.0

4800 BAUD

> 2. What commands should I use in my terminal software to initially set up
> the pico tnc?

> e.g. gps commands, timed transmissions, etc.

>

LOCation every/after N ($N * 10$ seconds)

This determines how often the information in LTEXT is sent.

GPSTEXT \$GPGGA (or use which NMEA sentence you would like)

LPATH GPS via WIDE (or whatever conventions you use locally)

This is different than the unproto path.

GPS ON

Turn this on after every thing else is set; It sets the RS-232
port up for receiving GPS data.

Note: You do not need to worry about the GPSITEXT command, as it is only
for sending information to a GPS if it needs it, which the Garmin doesn't
need.

Once everything is set as above, the NMEA sentences starting with \$GPGGA
will be loaded into LTEXT. Then the information in LTEXT will be sent out
over the radio at the specified interval with the LOCATION command. To get
the tnc out of GPS mode, type a '\ ' with your terminal program.

> Does data just automatically start flowing from the Garmin and the Pico
> decodes it and sends it out at some specified interval?

>

Yes, once you have the I/O screen set up as above, the GPS will
continually send the output while still operating as normal. Just make
sure you have GPS output and the ground hooked up to the PicoPacket, and
everything should work.

> At this point, I don't have a clue and I should have all the parts ready
> to run by next Wednesday. TIA. 73,

>

Well, I hope I have helped some. I have a Garmin 45 I am hooking up to
the PicoPacket with the second serial port and battery. I haven't got my
setup running yet, but I have read the manuals for the Garmin and Pico.
Good luck with it and lots of fun.

> hasan schiers, NOAN--

> -----
> schiers@ames.net
> -----
>
>

--

Eric L. Martin (KC5ENU)
elmartin@iamerica.net

From ke4eer@worldnet.att.net Fri Jun 21 23:06:36 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA14315 for
<aprssig@tapr.org>; Fri, 21 Jun 1996 23:06:34 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id CAA03346; Sat, 22 Jun 1996 02:59:11 GMT
Received: from 77.dallas-1.tx.dial-access.att.net(199.69.132.77)
by mailhost.worldnet.att.net with SMTP
id A3281; Sat Jun 22 02:58:43 1996
Message-ID: <31CB7D7D.14EA@worldnet.att.net>
Date: Fri, 21 Jun 1996 21:58:37 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2270] Slide1, LA
References: <9606220216.AA09956@ELWOOD.pionet.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Kaplan wrote:

>
> Id does'nt seem possible, but I mad the maps based on your information.
> There are hardle any points out there. Look it over and tell me if I did
> what you needed.
>
> Dave
>
> -----No that can't
be right the coordinates for SLIDEL is 30,16.861N 90,46.660W
and at 64 miles or even 32 should include New Orleans. I have a smaller 8 mile
map of that and it shows a lot of roads, water etc. Something wrong here. The
map you send had only a couple of roads in it Hi. Try New Orleans it's
coordinate is 30,3.950N 89,55.881W and see what you get. STRANGE are you
getting this from a CD or from USGS internet files?.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From wb8tif@sprynet.com Fri Jun 21 23:09:04 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id XAA14351 for <aprssig@tapr.org>; Fri, 21 Jun 1996

23:09:02 -0500 (CDT)
Received: from wb8tif.gnn.com (ad01-106.compuserve.com [199.174.128.106]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id VAA08815 for <aprssig@tapr.org>; Fri,
21 Jun 1996 21:06:41 -0700
Message-ID: <31CB71A5.1677@sprynet.com>
Date: Sat, 22 Jun 1996 00:08:05 -0400
From: Rick Szpyrka <wb8tif@sprynet.com>
X-Mailer: Mozilla 2.02Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2267] STS-78
References: <31CB1ECE.6344@worldnet.att.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

William Nolle wrote:

>
> Where can a person get the STS-78 elements, i downloaded all the ones
> mentioned and didn't see STS-78 mentioned at all. Shouldn't it be listed
> as such in the files?.
> --
> Bill KE4EER
> ke4eer@worldnet.att.net
> Yes i switched again Hi

You can find the latest 2 line keps for STS-78, plus other info on
STS-78 or links to it on my web page.

--
Rick Szpyrka WB8TIF
Bloomfield Hills, MI USA
Email: wb8tif@sprynet.com or wb8tif@amsat.org
URL: <http://home.sprynet.com/sprynet/wb8tif>

From dkaplan@pionet.net Fri Jun 21 23:28:53 1996
Received: from ELWOOD.pionet.net (ELWOOD.pionet.net [199.120.116.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id XAA15143 for <aprssig@tapr.org>; Fri, 21 Jun 1996
23:28:50 -0500 (CDT)
Received: from pm2_150.pionet.net by ELWOOD.pionet.net;
(5.65v3.0/1.1.8.2/03Oct95-1046AM)
id AA13607; Fri, 21 Jun 1996 23:33:42 -0500
Date: Fri, 21 Jun 1996 23:33:42 -0500
Message-Id: <9606220433.AA13607@ELWOOD.pionet.net>
X-Sender: dkaplan@elwood.pionet.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Dave Kaplan <dkaplan@pionet.net>
Subject: Re: [APRSSIG:2274] Re: Slide1, LA

At 11:10 PM 6/21/96 -0500, you wrote:

>No that can't be right the coordinates for SLIDEL is 30,16.861N 90,46.660W
>and at 64 miles or even 32 should include New Orleans. I have a smaller 8 mile
>map of that and it shows a lot of roads, water etc. Something wrong here. The
>map you send had only a couple of roads in it Hi. Try New Orleans it's
>coordinate is 30,3.950N 89,55.881W and see what you get. STRANGE are you
>getting this from a CD or from USGS internet files?.
>--
>Bill KE4EER
>ke4eer@worldnet.att.net
>ke4eer@amsat.org

The coordinates you are giving in this message are different (90,46.66 vs 89,46.66). I'll rerun it right away.

Dave

From KD4EMI@aol.com Fri Jun 21 23:35:03 1996
Received: from emout16.mail.aol.com (emout16.mx.aol.com [198.81.11.42]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA15658 for <aprssig@tapr.org>; Fri, 21 Jun 1996 23:35:02 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout16.mail.aol.com (8.6.12/8.6.12) id AAA25389 for aprssig@tapr.org; Sat, 22 Jun 1996 00:35:16 -0400
Date: Sat, 22 Jun 1996 00:35:16 -0400
Message-ID: <960622003515_335894222@emout16.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2272] control of remote TNC ?

>What are the options for control of a remote wide digi.? Do some
>tnc's come with this ability? I know some have remote sysop for mail
>only. What type eprom burn is best for control, ie xmit on off,
>unproto change, mycall, myalias, etc. What works for you ?
>Thanks
>
>cdavidso@neocomm.net

The KPC 3 allows a remote sysop access to all of the KPC 3 commands. You can change callsigns, txdelay, anything you want. Look for version 6 and above for GPS capability though. I frequently play with these options with the local machine..

The AEA unit will xmit it's location with the proper query text. Im not sure about it's remote capability.
Im curious, has anyone used the MFJ unit that is supposed to be GPS compatable yet. I remember one guy mentioned that they didnt work with GPS'S at all...

The basic stamp that I have, which is now on the local WIDE-DIGI is set up to respond to DTMF tones. With the right password, you can change poweroutput, freq, channel. If I put another stamp on it I could have it respond to APRS query... I decided that with the hurricane season here, it was better to be able to adjust freq, etc than to respond to queries.

The more I play with the stamps the more I realize its time to leave them behind. They are neat, but the real power is in programming real computers. Seems like I need more and more power and only a real computer is adequate. Thats where my efforts have taken me.

Mike
KD4EMI@AOL.COM

From ku0g@sprynet.com Sat Jun 22 00:02:52 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA19755 for <aprssig@tapr.org>; Sat, 22 Jun 1996 00:02:49 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.156.9] (dd14-009.compuserve.com [199.174.156.9]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id WAA16784 for <aprssig@tapr.org>; Fri, 21 Jun 1996 22:00:43 -0700
Date: Fri, 21 Jun 1996 22:00:43 -0700
Message-Id: <199606220500.WAA16784@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2271] Re: Slidel, LA
To: aprssig@tapr.org
In-Reply-To: <9606220231.AA11267@ELWOOD.pionet.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

No problem from me, I'm going to take a look at the files and see if I can work with them for my own edification!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ku0g@sprynet.com Sat Jun 22 00:05:32 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA20981 for <aprssig@tapr.org>; Sat, 22 Jun 1996 00:05:26 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.156.9] (dd14-009.compuserve.com [199.174.156.9]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id WAA17198 for <aprssig@tapr.org>; Fri, 21 Jun 1996 22:03:18 -0700
Date: Fri, 21 Jun 1996 22:03:18 -0700
Message-Id: <199606220503.WAA17198@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2272] control of remote TNC ?
To: aprssig@tapr.org
In-Reply-To: <199606220334.XAA17002@hemisphere.neocomm.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

The Kantronics KPC-3 offers FULL remote sysop control! You can give the TNC any legitimate command that you can just as though you were physically connected to the TNC with your terminal program!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From n2czf@magg.net Sat Jun 22 01:16:42 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id BAA25783 for <aprssig@tapr.org>; Sat, 22 Jun 1996 01:16:40 -0500 (CDT)
Received: from Cybergate (wpb-184.magg.net [205.218.112.184]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id CAA10082 for <aprssig@tapr.org>; Sat, 22 Jun 1996 02:07:49 -0400
Date: Sat, 22 Jun 1996 02:07:49 -0400
Message-Id: <199606220607.CAA10082@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: Re: [APRSSIG:2277] Re: control of remote TNC ?Frequencies..

KD4EMI wrote:

>The basic stamp that I have, which is now on the local WIDE-DIGI is set up to
>respond to DTMF tones. With the right password, you can change poweroutput,
>freq, channel. If I put another stamp on it I could have it respond to APRS
>query... I decided that with the hurricane season here, it was better to be
>able to adjust freq, etc than to respond to queries.
>

>Mike
>KD4EMI@AOL.COM

It is interesting to be able to adjust frequencies but with the correct radio it is all built in, power level frequency and split can all be done if nee be, still interesting to do on your own instead of via an "appliance". The only thing that I wonder is the part about changing frequencies is better due to hurricane season, why is this ? If one digi goes down (changes frequency) then whatever network there is and that people have learned to work with is HISTORY>>>>

If the digi is there on the premise that it is for APRS then it should stay on whatever frequency has been designated for APRS if not all the work that others have put in and the system they may need to rely on is gone.

Think of the problems that we had on 10.151 LSB a few months back. A few people are off frequency and others follow them, well if 2-3 people follow another handful of users that are off frequency soon the network is gone. One bunch is following the other while the other bunch is going the other

way. Before you know it everyone is bouncing back and fourth trying to "round up" everyone else and in the meantime most of the communications links have been lost. I know what some will say, well it is necessary to be able to change in case someone else needs the services or if another digi is gone and we need to move off to where there is a digi that can fill the gap. Yes it can be a problem but a) if the digi is intended for APRS it should be, many other groups are depending on "that digi" (fill in the blank) that we have been using for months or years now. b) if another wide goes down we should do everything possible to get up a backup digi as soon as we can. We should be training for problems like this during field day. If a station goes down put it right back up with stored or borrowed equipment.

Another thing is if anyone is expecting the remaining digi sites that are on the air to allow APRS signals to come thru while they are sending 1000's of K's of data after a storm they will be surprised. We do not allow BBS's, forwarding, etc. etc. on WIDE digi's why should we expect them to let us use their already maxed out system for us to use? I do not blame them, they will have enough problems with the overload from other frequencies that have lost their sites.

73's Rich N2CZF
n2czf@magg.net
Jupiter Farms Florida FL96

From jwdstu@westga.edu Sat Jun 22 03:19:03 1996
Received: from sun (sun.cc.westga.edu [160.10.4.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id DAA29283 for <aprssig@tapr.org>; Sat, 22 Jun 1996 03:19:01 -0500 (CDT)
Received: from joe (user-168-121-70-186.dialup.mindspring.com [168.121.70.186]) by sun (8.6.10/8.6.10) with SMTP id EAA20346 for <aprssig@tapr.org>; Sat, 22 Jun 1996 04:18:01 -0400
Message-Id: <1.5.4.32.19960622081847.0067c0fc@160.10.4.2>
X-Sender: jwdstu@160.10.4.2
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 22 Jun 1996 04:18:47 -0400
To: aprssig@tapr.org
From: Joe DeVille <jwdstu@westga.edu>
Subject: MFJ-TNC w/GPS comapt. info. (was: control of remote TNC)

At 11:49 PM 6/21/96 -0500, you wrote:

---snip---

>Im curious, has anyone used the MFJ unit that is supposed to be GPS
>comptable yet. I remember one guy mentioned that they didnt work with GPS'S
>at all...

---snip---

>Mike

>KD4EMI@AOL.COM

The new firmware (v1.2.9 for 1270, 1274's, and v3.7 for 1278) does support GPS. It works sort of like the Kantronics, but not as detailed:

It will scan the serial port for up to two sentences as specified in the

NMEAFLT1 and NMEAFLT2 parameters, and TX the latest received sentence at the rate specified in the NMEABCN n command where "n" is the periodicity for the GPS packet in tens of seconds. Also, when NMEABCN is not zero, it will power up in GPS mode.

That's basically it.

Joe DeVille, KC4IWE Primary address: jwdstu@westga.edu
State University of Secondary address: bm160@freenet.carleton.ca
West Georgia Memberships/Affiliations: American Radio Relay League
Carrollton, GA USA Amateur Radio Emergency Service, SKYWARN, Red Cross
Disaster Services, Atlanta Olympic Band
Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA
----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

From sdimse@bridge.net Sat Jun 22 06:17:09 1996
Received: from relay4.UU.NET (relay4.UU.NET [192.48.96.14]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id GAA03847 for <aprssig@tapr.org>; Sat, 22 Jun 1996
06:17:07 -0500 (CDT)
Received: from bridge.net by relay4.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQaver16238; Sat, 22 Jun 1996 07:17:20 -0400 (EDT)
Received: from [199.174.136.66] (ad09-066.compuserve.com [199.174.136.66]) by
bridge.net (8.7.5/8.7.3) with SMTP id HAA14930 for <aprssig@tapr.org>; Sat, 22 Jun
1996 07:13:19 -0400 (EDT)
Message-Id: <199606221113.HAA14930@bridge.net>
Subject: email overload...
Date: Sat, 22 Jun 96 07:16:09 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

When someone asks for help, email them directly, rather than posting an answer to the sig. The person will get it faster (don't have to wait for mailing list to resend it, and everyone won't have to get 20 different messages saying 'use three control-c's').

Radical idea, but it just might work...

Steve K04HD

From sdimse@bridge.net Sat Jun 22 06:20:05 1996
Received: from relay6.UU.NET (relay6.UU.NET [192.48.96.16]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id GAA04176 for <aprssig@tapr.org>; Sat, 22 Jun 1996
06:20:04 -0500 (CDT)
Received: from bridge.net by relay6.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQaver18204; Sat, 22 Jun 1996 07:19:59 -0400 (EDT)
Received: from [199.174.136.66] (ad09-066.compuserve.com [199.174.136.66]) by
bridge.net (8.7.5/8.7.3) with SMTP id HAA15110 for <aprssig@tapr.org>; Sat, 22 Jun
1996 07:17:12 -0400 (EDT)
Message-Id: <199606221117.HAA15110@bridge.net>

Subject: Re: [APRSSIG:2251] APRS and SAREX
Date: Sat, 22 Jun 96 07:20:03 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>Just got word that SAREX is not scheduled to be unpacked until
>1734 EDT today (fri) so we will not see SAREX here on the east coast
>probably until Saturday morning (first pass about 0920 EDT) ...
>
Oh darn. I guess that means my voice QSO at 1715 doesn't count ;-)

Steve K04HD

From gerry@cs.tamu.edu Sat Jun 22 07:36:47 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA06469 for <aprssig@tapr.org>; Sat, 22 Jun 1996
07:36:45 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id HAA20586 for <aprssig@tapr.org>; Sat, 22
Jun 1996 07:36:24 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id HAA12031 for
aprssig@tapr.org; Sat, 22 Jun 1996 07:35:12 -0500
Message-Id: <199606221235.HAA12031@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2267] STS-78
To: aprssig@tapr.org
Date: Sat, 22 Jun 1996 07:35:11 -0500 (CDT)
In-Reply-To: <31CB1ECE.6344@worldnet.att.net> from "William Nolle" at Jun 21, 96
08:16:00 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I am now posting STS-78 elements from 2 sources. I will continue for the
duration of the mission. The ones from Gil Carman are specifically SAREX
elements, and Gil, WA5NOM, checks 'em for accuracy, AND for need of issue,
prior to shipping them. (Gil does Guidance at NASA/JSC as well as SAREX)

gerry

From martinbw@telalink.net Sat Jun 22 08:02:34 1996
Received: from eve.telalink.net (eve.telalink.net [199.1.88.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id IAA06967 for <aprssig@tapr.org>; Sat, 22 Jun 1996
08:02:33 -0500 (CDT)
Received: from oscar.telalink.net (nash-pm2-s3.telalink.net [205.241.232.68]) by
eve.telalink.net (8.7.5/Telalink-4.83) with SMTP id HAA04412 for
<aprssig@tapr.org>; Sat, 22 Jun 1996 07:54:02 -0500 (CDT)
X-Mailer: InterCon TCP/Connect II 2.3.1
MIME-Version: 1.0
Message-Id: <9606220803.AA34396@oscar.telalink.net>

Date: Sat, 22 Jun 1996 08:03:34 -0500
From: "Bruce W. Martin" <martinbw@telalink.net>
To: aprssig@tapr.org
Subject: Re: email overload...
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

> When someone asks for help, email them directly, rather than posting
> an answer to the sig. The person will get it faster (don't have to
> wait for mailing list to resend it, and everyone won't have to
> get 20 different messages saying 'use three control-c's'.
>
> Radical idea, but it just might work...
>
> Steve K04HD

Yes, you have a good point, however there are enough people on this list that there may be several people that may need/want the information and have not yet posted their question. Also while I think everybody that answered had the same solution, it was answered in different ways so that different levels of understanding might be successful. I think overall it depends on the request for help, how general the question or answer is. If it is a relatively unique situation then e-mail is most appropriate.

Another answer is for the person posing the question to post a summary of the answers received into one message posted to the list. This would be a great standard practice for the list and should satisfy most everybody.

73,

Bruce

--

* Bruce W. Martin Internet: martinbw@telalink.net *
* 4558 Brooke Valley Dr. HAM Call: KQ4TV *
* Hermitage TN 37076-2650 *
* Voice: (615) 872-7733 Targeting:36 10 30 N/86 35 30 W *
* FAX/MODEM: (615) 872-0045 APRS:3610.50N/08635.50W *
* URL: http://www.telalink.net/~martinbw/home.html *
* ftp://ftp.telalink.net/users/m/martinbw/ftp/incoming/ *
* I have a 486DX33 to play games and run some HAM programs, *
* when I want to do serious work I use a Macintosh. 0- *

From ke4eer@worldnet.att.net Sat Jun 22 08:39:28 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA08217 for
<aprssig@tapr.org>; Sat, 22 Jun 1996 08:39:26 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id NAA24144; Sat, 22 Jun 1996 13:38:54 GMT

Received: from 12.middleton-57.va.dial-access.att.net(207.116.6.12)
by mailhost.worldnet.att.net with SMTP
id A24089; Sat Jun 22 13:38:45 1996

Message-ID: <31CC137A.39B4@worldnet.att.net>
Date: Sat, 22 Jun 1996 08:38:34 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Tapr postings
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Why don't some of those people that upload files to tapr include a description text file. How the heck is anyone suppose to know what the following files are. I know i'm going to get some smart Xss remarks, but i bet that most of you don't know what these are. Gosh guys it only takes another 5 seconds to upload a description.

MADTRAN.EXE
PRECEDUS.EXE
LOGSAT51.EXE (This one speaks for itself but still should have a description included)
VAVABCH.ZIP (Now this is a real good one
VIWEST.ZIP
--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From pgilmore@beachnet.org Sat Jun 22 09:40:48 1996
Received: from beachnet.org (bduncan.tor.hookup.net [165.154.49.27]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA10225 for <aprssig@tapr.org>; Sat, 22 Jun 1996 09:40:44 -0500 (CDT)
Received: from virginia.beachnet.org ([204.225.64.52]) by beachnet.org with smtp (Smail3.1.29.1 #7) id m0uXTql-0000dYC; Sat, 22 Jun 96 10:39 EDT
Message-ID: <31CC05E1.2225@beachnet.org>
Date: Sat, 22 Jun 1996 10:40:34 -0400
From: Paul Gilmore <pgilmore@beachnet.org>
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: STS-78 Rev 31 Orbital Data
References: <960622125004_70511.3107_IHD56-1@CompuServe.COM>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> S T S - 7 8 O R B I T A L D A T A
>

> Below is the rev 19 State Vector and Keplerian Elements for STS-78.
> The vector data comes from NASA; the orbital parameters were computed
> from the vector. Hourly vector updates are available from NASA GSFC
> OIG RAID RBBS at (301) 262-6782 or by telnet: oig1.gsfc.nasa.gov

```

> (UserID = oig / Password = goddard1).
>
> Vector format = 117
> Satellite Name:          STS-78
> Catalog Number:         23931  96036A
> Epoch Date/Time:        96174.50009953704
>                           06/22/1996  12:00:08.600 UTC
> EFG E:                   16974688 ft
>   F:                     484675 ft
>   G:                     13690587 ft
>   Edot:                  233.92 ft/s
>   Fdot:                  24139.93 ft/s
>   Gdot:                  -1134.47 ft/s
> ndot/2 (drag):           0.00013452543 rev/day^2
> nddt/6:                  7.54092E-10 rev/day^3
> Bstar:                   2.36818E-05 1/Earth Radii
> Elset #:                 9
> Rev @ Epoch:             31.26126495081
>
> Launch was 20-JUN-96 / 14:49:00.093
>
> The following Keplerian elements were computed by VEC2TLE from this
> vector using a 0.25 drag multiplier:
>
> STS-78
> 1 23931U 96036A  96174.50009954 .00013453 75409-9 23682-4 0   98
> 2 23931  39.0142 357.3736 0007920 286.6909 167.3644 16.00869774 314
>
> Satellite: STS-78
> Catalog number: 23931
> Epoch time:     96174.50009954
> Element set:    9
> Inclination:    39.0142 deg
> RA of node:     357.3736 deg
> Eccentricity:   0.0007920
> Arg of perigee: 286.6909 deg
> Mean anomaly:   167.3644 deg
> Mean motion:    16.00869774 rev/day
> Decay rate:     1.34525e-04 rev/day^2
> Epoch rev:      31
> Checksum:       323
>
> VEC2TLE may be downloaded from:
> ftp.amsat.org /amsat/software/PC/util
>

```

Paul Gilmore 416-447-7964(voice) 416-447-8868(fax)
 AX25 VA3PRG@VA3BBS.#SCON.ON.CA.NA
 EMAIL pgilmore@beachnet.org

From KD4EMI@aol.com Sat Jun 22 09:43:43 1996
 Received: from emout18.mail.aol.com (emout18.mx.aol.com [198.81.11.44]) by
 tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA10301 for <aprssig@tapr.org>; Sat, 22

Jun 1996 09:43:40 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout18.mail.aol.com (8.6.12/8.6.12) id KAA21549 for
aprssig@tapr.org; Sat, 22 Jun 1996 10:42:53 -0400
Date: Sat, 22 Jun 1996 10:42:53 -0400
Message-ID: <960622104252_222739221@emout18.mail.aol.com>
To: aprssig@tapr.org
Subject: RE:remote control

RE: the ability to change freqs on the digi.

Yes it's true it was a judgement call on my part.

I felt that in case of emergency , that we needed the site to be able to switch freqs, and since there is only 3 or 4 people with mobile capability in South florida and since there is really no PLANS with how to use aprs during a hurricane and since it is in a perfect spot to digi 9 schools to the eoc (during the last storm I couldnt connect to the EOC from ELY elementary, Thank goodness that N4BP had his site up. AND since NO other digi in South florida (that I know of) has remote capability (freq, pwr, etc)

I just thought it might be helpfull. Your points were well taken though. Perhaps the remote digi control (via DTMF) lends to confusion. It might be better to remove it for this season until more sites have that ability or just forget the whole idea. Sorry I even announced it.

Mike
KD4EMI@AOL.COM

From KD4EMI@aol.com Sat Jun 22 09:43:51 1996
Received: from emout08.mail.aol.com (emout08.mx.aol.com [198.81.11.23]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA10318 for <aprssig@tapr.org>; Sat, 22 Jun 1996 09:43:49 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout08.mail.aol.com (8.6.12/8.6.12) id KAA22497 for aprssig@tapr.org; Sat, 22 Jun 1996 10:43:51 -0400
Date: Sat, 22 Jun 1996 10:43:51 -0400
Message-ID: <960622104350_222739309@emout08.mail.aol.com>
To: aprssig@tapr.org
Subject: Interested ?

Since we all use TNC'S here, Ive got an extra KAM that works PERFECTLY !!! IT has VERSION 5.0

The rig is in GREAT SHAPE looks good works fine...

THE only thing is that it doesnt have a battery backup. It would not be good for mobile ops. Once you power down, you have to re-initialize everything. It wont perm the settings cause I only switched the ROMS for the version and didnt upgrade the eePROM. If you need a perfect rig for the house , that you dont mind leaving on (or just re-initializing) when you power down let me know...the price is right. If you spend 10 bucks and buy the upgrade eeprom it would perm fine.. I need some other stuff and want to sell it...

\$120.00 Shipped.
Please EMAIL me personally and not to the sig...
or contact me at 954-974-4153
Mike
KD4EMI@AOL.COM

From rbest@itexas.net Sat Jun 22 10:40:57 1996
Received: from mailhost.itexas.net (mailhost.itexas.net [207.22.198.33]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA12509 for <aprssig@tapr.org>; Sat, 22
Jun 1996 10:40:55 -0500 (CDT)
Received: from rbest.itexas.net ([207.22.198.61]) by mailhost.itexas.net
(post.office MTA v1.9.3 ID# 0-12497) with SMTP id AAA134
for <aprssig@tapr.org>; Sat, 22 Jun 1996 09:59:58 -0500
Message-ID: <31CBFC15.452@itexas.net>
Date: Sat, 22 Jun 1996 09:58:45 -0400
From: rbest@itexas.net (Roy Bost)
X-Mailer: Mozilla 2.02 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2282] email overload...
References: <199606221113.HAA14930@bridge.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I thought that this was what the SIG was for! I realize I got
much duplication of responses but a HAM in the area is having the same
problem with his KPC-3 and got possible solutions from the responses to
my inquiry.

Everyone seems to have missed the last sentence of my
inquiry.....once into the GPS Mode I CANNOT reconnect to the KPC-3 with
any of my packet programs! I use Hostmaster II+ to set up the KPC-3
but Hostmaster now tells me I have no TNC connected to the computer.
PackTerm and PacketPet also respond the same way.

If I ever get back into the KPC-3 I'll try the speed hints with
the control <c>'s!

Thanks Guys!!!!

Roy Bost N5TAM
rbest@itexas.net

From bruninga@nadn.navy.mil Sat Jun 22 12:06:31 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA15632 for <aprssig@tapr.org>; Sat, 22
Jun 1996 12:06:29 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id
NAA29437; Sat, 22 Jun 1996 13:07:10 -0400
Date: Sat, 22 Jun 1996 13:07:10 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: ITAMSAT IO-26 1000 days in orbit (fwd)
Message-ID: <Pine.SUN.3.91.960622130352.29350E-100000@arctic>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Following msg pulled of the amsat-bb...

After its return to service earlier this month, Command Station in Milan, Italy, are still evaluating its status before returning the satellite to full service.... Everything on board behaves normally, the downlink frequency used is 435.822 MHz, on the TXB transmitter.

Digipeating is usually turned on, except when the satellite is being commanded from the Command Station in Milan, Italy.

APRS comment:

A.hemm... Does this look like an invitaiton to some APRS posits?

From bruninga@nadm.navy.mil Sat Jun 22 12:27:29 1996

Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA16107 for <aprssig@tapr.org>; Sat, 22 Jun 1996 12:27:28 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id NAA29570; Sat, 22 Jun 1996 13:28:24 -0400

Date: Sat, 22 Jun 1996 13:28:24 -0400 (EDT)

From: Bob Bruninga <bruninga@nadm.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2286] Tapr postings

In-Reply-To: <31CC137A.39B4@worldnet.att.net>

Message-ID: <Pine.SUN.3.91.960622132629.29350I-1000000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 22 Jun 1996, William Nolle wrote:

> Why don't some of those people that upload files to tapr include a
> description text file....
>
> VAVABCH.ZIP (Now this is a real good one
> VIWEST.ZIP

APRSDos REPLY COMMENT: Guilty. These 2 are mine. VIrginia Beach and West Wisconsin

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sat Jun 22 12:40:53 1996

Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA16542 for <aprssig@tapr.org>; Sat, 22 Jun 1996 12:40:52 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id NAA29633; Sat, 22 Jun 1996 13:41:36 -0400

Date: Sat, 22 Jun 1996 13:41:36 -0400 (EDT)

From: Bob Bruninga <bruninga@nadm.navy.mil>

To: aprssig@tapr.org

Subject: APRS Sarex score card
Message-ID: <Pine.SUN.3.91.960622133431.29350J-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Following is the log I have monitored on the east coast and Internet

PASS	EDT	ZULU	COMMENTS
21	1715	2115z	Voice K04HD Fl Keys
21		2238z	Voice Guiccone San Diego, and W5GEL Texas
22	0915	1315z	nothing
22	1050	1450z	nothing
22	1224	1624z	nothing
22	1400	1800z	

APRSDos REPLY COMMENT: Still hoping for the SAREX packet digipeater!

de wb4apr@amsat.org

From n2czf@magg.net Sat Jun 22 13:12:42 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id NAA17796 for <aprssig@tapr.org>; Sat, 22 Jun 1996 13:12:41 -0500 (CDT)
Received: from Cybergate (wpb-146.magg.net [205.218.112.146]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id OAA28846 for <aprssig@tapr.org>; Sat, 22 Jun 1996 14:03:33 -0400
Date: Sat, 22 Jun 1996 14:03:33 -0400
Message-Id: <199606221803.OAA28846@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: Re: [APRSSIG:2288] RE:remote control

>RE: the ability to change freqs on the digi.

>

>Yes it's true it was a judgement call on my part.

>I just thought it might be helpfull. Your points were well taken though.

>Perhaps the remote digi control (via DTMF) lends to confusion. It might be

>better to remove it for this season until more sites have that ability or

>just forget the whole idea. Sorry I even announced it.

>

>Mike

>KD4EMI@AOL.COM

>

Don't be sorry, I think it is a great idea for other applications. Take users in a condo that cannot have a antenna. If a buddy within range is

willing to "store" some equipment for them at their home this is a way that someone with a HT can have a good signal into the local networkS. Or even someone with access to a good site, some people a lucky, they can set up a personal remote base and control it from home.

If someone does not have a DTMF capeable rig but can get a stamp wired up that would be great idea.

73's Rich N2CZF

n2czf@magg.net

Jupiter Farms Florida EL96

From lmill@ezl.com Sat Jun 22 15:10:43 1996

Received: from www.ezl.com (root@www.ezl.com [206.24.43.10]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA21488 for <aprssig@tapr.org>; Sat, 22 Jun 1996 15:10:42 -0500 (CDT)

Received: from lmill.ezl.com (ppp25.ezl.com [206.24.43.36]) by www.ezl.com (8.7.3/8.6.9) with SMTP id PAA07195 for <aprssig@tapr.org>; Sat, 22 Jun 1996 15:11:07 -0500 (CDT)

Message-Id: <1.5.4.32.19960622201242.00675034@www.ezl.com>

X-Sender: lmill@www.ezl.com

X-Mailer: Windows Eudora Light Version 1.5.4 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 22 Jun 1996 15:12:42 -0500

To: aprssig@tapr.org

From: Larry Miller <lmiller@ezl.com>

Subject: Curious about call

I have been wondering about a call we see in the St Louis area coming in on the HF side. The call shows up as KN96HH. Bulletin text from that station shows a web page at:

www.avana.net/pages/personal/kn4hh

Is anybody else seeing the KN96HH call?

Larry

* * * * *

E-Mail

Personal: lmill@ezl.com

Business: lmill@email.usps.gov

Ham Radio: n9lbg@kd9sg.#sil.il

From w5nfc@amsat.org Sat Jun 22 15:35:04 1996

Received: from mrzip.cc.utexas.edu (root@mrzip.cc.utexas.edu [128.83.217.16]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA22292 for <aprssig@tapr.org>; Sat, 22 Jun 1996 15:35:03 -0500 (CDT)

Received: from slip-53-6.ots.utexas.edu (slip-53-6.ots.utexas.edu [128.83.251.38]) by mrzip.cc.utexas.edu (8.7.5/8.7.3/mrzip.mc-1.15) with SMTP id PAA15413; Sat, 22 Jun 1996 15:27:14 -0500 (CDT)

Message-Id: <199606222027.PAA15413@mrzip.cc.utexas.edu>

X-Authentication-Warning: mrzip.cc.utexas.edu: Host slip-53-6.ots.utexas.edu [128.83.251.38] didn't use HELO protocol

X-Sender: sholt@ccwf.cc.utexas.edu

X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 22 Jun 1996 20:27:15 +0000
To: aprssig@tapr.org, Bob Bruninga <bruninga@nadm.navy.mil>,
amsat-bb@amsat.org
From: w5nfc@amsat.org (George D. "Zeke" Harvey)
Subject: APRS and APRtrak

I recently changed computers from a 386-25 to a Pentium 150.

I am running Win APRS on the new machine with no problem under Win-95.

With the launch of the latest shuttle I wanted to use APRtrak running under DOS the same as before on the old machine. After moving everything in the APRtrak directory, including all sub-directories, I find that the program is unable to communicate with my TNC on Com-1. The TNC is a DSP-12.

I have also moved all the files and directories associated with APRS75 and tried to run it with the same results. I am able to load everything including my registration number, 19934, and everything comes up but am still not able to communicate with the TNC.

After seeing your reference to beta version, APRS76E, I down loaded it and put it into the APRS directory and when I execute this version and enter my call etc. it comes up and says cannot find MAPS and locks up there. Pressing the enter key at this time sends me back to the DOS prompt.

Any suggestions would be appreciated.

73,

George D. "Zeke" Harvey - W5NFC - Austin, TX

w5nfc@amsat.org

From rtucker@moocow1.ttgcihn.com Sat Jun 22 16:30:37 1996
Received: from insosf1.netins.net (ttgcihn@insosf1.netins.net [167.142.225.5]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA24064 for <aprssig@tapr.org>; Sat, 22 Jun 1996 16:30:36 -0500 (CDT)
Received: (from ttgcihn@localhost) by insosf1.netins.net id QAA31219 for aprssig@tapr.org; Sat, 22 Jun 1996 16:30:33 -0500 (CDT)
X-Authentication-Warning: insosf1.netins.net: ttgcihn set sender to rtucker@moocow1.ttgcihn.com using -f
Received: from moocow1.ttgcihn.com (moocow1.ttgcihn.com [10.42.1.3]) by crasher2.ttgcihn.com (8.7.5/960507.rtucker) with SMTP id QAA00706; Sat, 22 Jun 1996 16:29:58 -0500
Date: Sat, 22 Jun 1996 16:29:58 -0500
Message-Id: <199606222129.QAA00706@crasher2.ttgcihn.com>
X-Sender: rtucker@crasher2
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ryan Tucker <rtucker@moocow1.ttgciitn.com>
Subject: Re: [APRSSIG:2295] Curious about call
Cc: aprssig@tapr.org

At 03:21 PM 6/22/96 -0500, Larry Miller wrote:

>I have been wondering about a call we see in the St Louis area coming in on
>the HF side. The call shows up as KN96HH. Bulletin text from that station
>shows a web page at:

>
> www.avana.net/pages/personal/kn4hh
>

>Is anybody else seeing the KN96HH call?

I'm willing to bet it's a typo for KN4HH ;-)

The WWW page looks like it's in Fayette County, Georgia. They have links to
APRS stuff off of the page, too -- not bad ;-) -rt

--
#!/bin/sh
Ryan Tucker <rtucker@ttgciitn.com>
President, TTGCITN Communications
lynx http://www.ttgciitn.com

From schiers@ames.net Sat Jun 22 16:31:38 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id QAA24089 for <aprssig@tapr.org>; Sat, 22 Jun 1996
16:31:35 -0500 (CDT)

From: schiers@ames.net
Message-Id: <199606222131.QAA24089@tapr.org>
Received: from [206.29.126.237] by ames.net id 83dc1.wrk; Sat, 22 Jun 1996
16:30:58 -0600
Date: Sat, 22 Jun 96 10:21:40 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2282] email overload...
In-Reply-To: <717503@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

In <717503@bbs.ames.net>, on 06/22/96 at 07:30 AM,
aprssig@tapr.org said:

>When someone asks for help, email them directly, rather than posting an
>answer to the sig.

A good deal of the value of the listserver disappears if this approach is
adopted. It is the ANSWERS to other peoples questions that cause me to
continue to read the list. Yes, every once in a while a question is so
specific and so easy to answer that we get ten responses, but that is what
a delete key is for. Again, let's not throw out the baby with the bath
water.

Public questions and private answers will severely limit the utility of any listserver and I would encourage discretion in adopting Steve's approach.

Ask yourself the question:

Will my answer inform an interest of "quite a few" people or just this "one" person. If the former, then I would send it to the list, if the latter, send it private. It ain't rocket science to determine what the level of interest might be, e.g.,

Popular GPS receivers...high.

A surplus military gps from Fair Radio at 399 bucks....very low. TNC related questions....high. (but may generate 20 replies if obvious) APRS software questions....very high

All of the above, obviously, as they relate to APRS.

and...with my opinion and a quarter, you can still get a cup of coffee.

73,

hasan schiers, NOAN

schiers@ames.net

From w2g3zfej@unix.asb.com Sat Jun 22 17:00:11 1996
Received: from unix.asb.com (root@unix.asb.com [165.254.128.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA25121 for <aprssig@tapr.org>; Sat, 22 Jun 1996 17:00:09 -0500 (CDT)
Received: from asb27 (s1s17.asb.com [165.254.128.27]) by unix.asb.com (8.6.12/8.6.9) with SMTP id SAA25052 for <aprssig@tapr.org>; Sat, 22 Jun 1996 18:08:12 -0400
Message-Id: <199606222208.SAA25052@unix.asb.com>
X-Sender: w2g3zfej@unix.asb.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 22 Jun 1996 17:55:04 -0400
To: aprssig@tapr.org
From: w2g3zfej@unix.asb.com (bob)
Subject: Re: [APRSSIG:2295] Curious about call
X-Mailer: <PC Eudora Version 1.4>

Yep

Its always on my system (69 packets, 3 messages today). I presumed he'd entered his call wrong?

bob
w2g3zfej@unix.asb.com

>I have been wondering about a call we see in the St Louis area coming in on
>the HF side. The call shows up as KN96HH. Bulletin text from that station
>shows a web page at:

>
> www.avana.net/pages/personal/kn4hh
>

>Is anybody else seeing the KN96HH call?

>Larry

>* * * * *

>E-Mail

> Personal: lmill@ezl.com
> Business: lmill@email.usps.gov
> Ham Radio: n9lbg@kd9sg.#sil.il

>
>
>

From dvelez@infi.net Sat Jun 22 17:51:13 1996

Received: from mh004.infi.net (mailhost.infi.net [205.219.238.95]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id RAA27035 for <aprssig@tapr.org>; Sat, 22 Jun 1996
17:51:11 -0500 (CDT)

Received: from dvelez.infi.net by mh004.infi.net with SMTP

(Infinet-S-3.3) id SAA17353; Sat, 22 Jun 1996 18:50:47 -0400 (EDT)

Message-ID: <31CC78B0.2242@infi.net>

Date: Sat, 22 Jun 1996 18:50:24 -0400

From: Daniel Velez <dvelez@infi.net>

X-Mailer: Mozilla 2.02 (Win95; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2297] Re: Curious about call

References: <199606222129.QAA00706@crasher2.ttgcitn.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Ryan Tucker wrote:

>

> At 03:21 PM 6/22/96 -0500, Larry Miller wrote:

> >I have been wondering about a call we see in the St Louis area coming in on
> >the HF side. The call shows up as KN96HH. Bulletin text from that station
> >shows a web page at:

> >
> > www.avana.net/pages/personal/kn4hh
> >

> >Is anybody else seeing the KN96HH call?

>

> I'm willing to bet it's a typo for KN4HH ;-)

>

> The WWW page looks like it's in Fayette County, Georgia. They have links to
> APRS stuff off of the page, too -- not bad ;-)

>

> --

> #!/bin/sh

> # Ryan Tucker <rtucker@ttgcitn.com>

> # President, TTGCITN Communications
> lynx http://www.ttgcitn.com

Actually, isn't it the special Olympics call authorized by the FCC for Atlanta area amateurs?

Dan

--

```
|||||
Daniel Velez          Aoooga!
dvelez@infi.net       Aoooga!
N4WZR@WD4MIZ.VA      Aoooga!
|||||
```

From n2czf@magg.net Sat Jun 22 18:51:36 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id SAA28843 for <aprssig@tapr.org>; Sat, 22 Jun 1996 18:51:35 -0500 (CDT)
Received: from Cybergate (wpb-164.magg.net [205.218.112.164]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id TAA07537 for <aprssig@tapr.org>; Sat, 22 Jun 1996 19:42:40 -0400
Date: Sat, 22 Jun 1996 19:42:40 -0400
Message-Id: <199606222342.TAA07537@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: Re: [APRSSIG:2295] Curious about call

That is a special FCC "bone" sent out for GA stations. They can use the KN96 prefix due to the Olympic games.

Don't know who it is either, I have sent that station 2 messages on 30M about his signal. Got some terrible RF in his/her audio. I did manage to get a ACK back today. RF was not as bad but ACK's are difficult due to the distortion. If anyone knows this person please let them know, it is probably a simple job to clean it up, many of us have had it on occasion.

>I have been wondering about a call we see in the St Louis area coming in on
>the HF side. The call shows up as KN96HH. Bulletin text from that station
>shows a web page at:

>
> www.avana.net/pages/personal/kn4hh
>

>Is anybody else seeing the KN96HH call?

>Larry

>* * * * *

>E-Mail

> Personal: lmiller@ezl.com

> Business: lmiller@email.usps.gov

> Ham Radio: n9lbg@kd9sg.#sil.il

>

>

73's Rich N2CZF

n2czf@magg.net

Jupiter Farms Florida EL96

From rwf@mindspring.com Sat Jun 22 18:54:12 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA28920 for <aprssig@tapr.org>; Sat, 22 Jun 1996 18:54:10 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id TAA00122 for <aprssig@tapr.org>; Sat, 22 Jun 1996 19:54:07 -0400

Message-Id: <2.2.32.19960622235501.0098d890@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 22 Jun 1996 19:55:01 -0400

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: Re: [APRSSIG:2282] email overload...

OR:

Don't send your reply until you have read ALL the messages and seen the 27 other people who replied before you. Of course, you could be reading off line, or not have received some of the replies remailed to you- but most of the time I am glad I did not xmit the reply messages immediately. Plus I can recheck that I have not addressed a personal message back to the SIG.

**** PLEASE, can someone (Keith? Greg?) make the remailer NOT fill in the SIG address for the replies automatically? ****

At 06:35 AM 6/22/96 -0500, you wrote:

>When someone asks for help, email them directly, rather than posting an
>answer to the sig. The person will get it faster (don't have to wait for
>mailing list to resend it, and everyone won't have to get 20 different
>messages saying 'use three control-c's'.

>

>Radical idea, but it just might work...

>

>Steve K04HD

>

>

From rwf@mindspring.com Sat Jun 22 18:54:14 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA28937 for <aprssig@tapr.org>; Sat, 22

X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
Subject: Response to STS=78 KEPS quarry

I posted my original quarry at about 8 AM. By 4:30 that afternoon there were a great many responses and the surprising thing was there was only one duplicate site.

The following is what I received:

WEB SITES FOR KEPS!

<http://tbcnet.com/~jleonard/leonard.htm>

<ftp://archive.afit.af.mil/pub/space/tle.new>

<http://www.grove.net/~tkelso/>

<http://www.amsat.org/amsat/sarex/orbit.html>

<ftp://tbcnet.com/pub/jleonard>

<ftp://ftp.amsat.org/amsat/keps/sarex/STS-AMS.TXT>

<ftp://archive.afit.af.mil/pub/space/tle.new>

<http://tbcnet.com/~jleonard/leonard.htm>

<http://shuttle.nasa.gov/sts-78/orbit/orbiter/sighting/shuttle.html>

DEMO

<http://shuttle.nasa.gov/sts-78/demos>

Thanks to all for the replys and I'm sure there were others that found the information usefull.

Bud (WB4LTF)

From ku0g@sprynet.com Sat Jun 22 19:34:51 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA00789 for <aprssig@tapr.org>; Sat, 22 Jun 1996 19:34:49 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.130.100] (ad03-100.compuserve.com [199.174.130.100]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id RAA14134 for <aprssig@tapr.org>; Sat, 22 Jun 1996 17:32:42 -0700
Date: Sat, 22 Jun 1996 17:32:42 -0700
Message-Id: <199606230032.RAA14134@m1.sprynet.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2295] Curious about call
To: aprssig@tapr.org
In-Reply-To: <1.5.4.32.19960622201242.00675034@www.ez1.com>
X-Mailer: SPRY Mail Version: 04.00.06.21

That would most likely be an Olympic Callsign....
Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From wb8ypo@harborside.com Sat Jun 22 22:38:09 1996
Received: from harborside.com (root@harborside.com [204.214.110.225]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA06834 for <aprssig@tapr.org>; Sat, 22 Jun 1996 22:38:07 -0500 (CDT)
Received: from p17.pb0.harborside.com (p17.pb0.harborside.com [204.214.110.114]) by harborside.com (8.6.9/8.6.12) with SMTP id UAA15657; Sat, 22 Jun 1996 20:37:56 -0700
Date: Sat, 22 Jun 1996 20:37:56 -0700
Message-Id: <199606230337.UAA15657@harborside.com>
X-Sender: wb8ypo@harborside.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Chris & Kathleen <wb8ypo@harborside.com>
Subject: Re: [APRSSIG:2125] Re: JAVA APRS
Cc: aprssig@tapr.org

At 05:57 PM 6/18/96 -0500, David E. Barrett wrote:

>
> I find this Java topic to be highly stimulating, and it never ceases to amaze me how imaginative
>the people on this sig are. Either everyone here has overly active thought process' or to much idle time
>on their hands. So let me see if I can add to all those synapse flying around those unreal net's.
> Have you heard about ActiveX? I know how everyone loves Microsoft and they way they get into
>everything. ActiveX is MS's answer to Java and with the Beta of Internet Explorer 3.0 available it look's as
>if Netscape has some stiff competition. I've encoded some snippet's about ActiveX from a review I found
>on C/Net.
>
>ActiveX works as a kind of framework that runs small programs and can control the way you interact with the computer. This architecture permits Web pages and the browser itself to be highly customizable. These new objects are small, since they don't require a traditional browser to run, and nimble, so you'll see better overall performance when using your browser.

>
>Over time, more software applications will take advantage of ActiveX. That's because ActiveX components are available to the entire operating system, so you'll see more programs become Internet-savvy over the coming months. Software developers can write one set of code for productivity software--and easily snap in Internet features. Internet Explorer 3.0's ActiveX core allows the browser to become a highly customizable and programmable interface for the Internet, intranets, multimedia titles, and your own work. Here are the parts of ActiveX you need to know about.
>
>ActiveX Controls: These are small programs embedded in Web pages, and they can control other programs on your computer. The ActiveX version of OLE controls are stripped down and more lightweight than previous incarnations of Microsoft's OLE technologies.
>
>ActiveX Scripting: Scripting supports both JavaScript and VBScript (Virtual Basic). Scripting is like programming, but scripts are included within HTML pages to perform simple tasks and to link ActiveX Controls, Java applets, and other components. <Picture: click here>
>
>ActiveX Documents: These documents are from applications such as Word or Excel but can be viewed or edited from within the browser. With some programming, any software vendor can turn their files into ActiveX Documents.
>
>Attachment Converted: C:\SALMON\EUDORA\APRSSIG6
>
May I ask why you send attachment that I for one can not CONVERT TO AND FILL MY HARD DRIVE!!!!!!!!!!

73 Chris wb8ypo@harborside.com

From jwdstu@westga.edu Sat Jun 22 23:10:30 1996
Received: from sun (sun.cc.westga.edu [160.10.4.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA07822 for <aprssig@tapr.org>; Sat, 22 Jun 1996 23:10:26 -0500 (CDT)
Received: from joe (user-168-121-70-186.dialup.mindspring.com [168.121.70.186]) by sun (8.6.10/8.6.10) with SMTP id AAA07946 for <aprssig@tapr.org>; Sun, 23 Jun 1996 00:09:30 -0400
Message-Id: <1.5.4.32.19960623041010.0067b298@160.10.4.2>
X-Sender: jwdstu@160.10.4.2
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 23 Jun 1996 00:10:10 -0400
To: aprssig@tapr.org
From: Joe DeVille <jwdstu@westga.edu>
Subject: Re: [APRSSIG:2295] Curious about call

At 03:22 PM 6/22/96 -0500, you wrote:

>I have been wondering about a call we see in the St Louis area coming in on
>the HF side. The call shows up as KN96HH. Bulletin text from that station
>shows a web page at:
>

> www.avana.net/pages/personal/kn4hh
>
>Is anybody else seeing the KN96HH call?
>Larry

Sorry if this is off topic, but I wanted to clear all this up...

(reprinted from The ARRL Letter, April 12, 1996)
FCC OKAYS OLYMPIC CALL SIGNS FOR HAMS OPERATING IN GEORGIA

Hams operating within the state of Georgia may use special call signs from April 15 until August 31, 1996, to commemorate the 1996 Olympics, under a Special Temporary Authority issued by the FCC. Here's how it works: An FCC-licensed radio amateur operating in Georgia with a "4" in his or her call sign may replace that number with "96" (representing the year) or "26" (commemorating the 26th Olympiad) during the period of the STA. Hams with any number in their call signs and operating within the State of Georgia may add "00" to the existing number (to mark the centennial year of the Olympic Games). So, WA4BKD in Georgia could identify as WA96BKD, WA26BKD or WA400BKD, while NG3K, when operating in Georgia, could identify only as NG300K or as NG3K. The Olympics start in July. The STA stemmed from an initiative by James Altman, N4UCK, of Atlanta and the Georgia Amateur Radio Operators Group he organized, with the support of ARRL.

Joe DeVille, KC4IWE Primary address: jwdstu@westga.edu
State University of Secondary address: bm160@freenet.carleton.ca
West Georgia Memberships/Affiliations: American Radio Relay League
Carrollton, GA USA Amateur Radio Emergency Service, SKYWARN, Red Cross
 Disaster Services, Atlanta Olympic Band
 Amateur Packet Radio: KC4IWE @ KA4YQI.#WGA.GA.USA.NA
----- HOME PAGE: <http://www.westga.edu/~jwdstu/index.html> -----

From n2czf@magg.net Sat Jun 22 23:30:02 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id XAA08491 for <aprssig@tapr.org>; Sat, 22 Jun 1996 23:30:01 -0500 (CDT)
Received: from Cybergate (wpb-191.magg.net [205.218.112.191]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id AAA18083 for <aprssig@tapr.org>; Sun, 23 Jun 1996 00:21:00 -0400
Date: Sun, 23 Jun 1996 00:21:00 -0400
Message-Id: <199606230421.AAA18083@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: Re: [APRSSIG:2302] Re: email overload...

Ralph N4NEQ Says....

>**** PLEASE, can someone (Keith? Greg?) make the remailer NOT fill in the

>SIG address for the replies automatically? ****

I say oh please, oh PLEASE! this would be VERY helpful. Saves on waisted mail and embaessments.

73's Rich N2CZF

n2czf@magg.net

Jupiter Farms Florida EL96

From k4ubr@ix.netcom.com Sat Jun 22 23:42:53 1996

Received: from dfw-ix2.ix.netcom.com (dfw-ix2.ix.netcom.com [206.214.98.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA09656 for <aprssig@tapr.org>; Sat, 22 Jun 1996 23:42:51 -0500 (CDT)

Received: from jac-fl2-09.ix.netcom.com (jac-fl2-09.ix.netcom.com [204.31.245.73]) by dfw-ix2.ix.netcom.com (8.6.13/8.6.12) with SMTP id VAA01674 for <aprssig@tapr.org>; Sat, 22 Jun 1996 21:42:04 -0700

Message-ID: <31CCF576.11B6@ix.netcom.com>

Date: Sun, 23 Jun 1996 00:42:46 -0700

From: Gerald Green <k4ubr@ix.netcom.com>

X-Mailer: Mozilla 2.0 (Win16; I)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2295] Curious about call

References: <1.5.4.32.19960622201242.00675034@www.ez1.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Larry Miller wrote:

>

> I have been wondering about a call we see in the St Louis area coming in on
> the HF side. The call shows up as KN96HH. Bulletin text from that station
> shows a web page at:

>

> www.avana.net/pages/personal/kn4hh

>

> Is anybody else seeing the KN96HH call?

> Larry

> * * * * *

> E-Mail

> Personal: lmill@ez1.com

> Business: lmill@email.usps.gov Ham Radio: n9lbg@kd9sg.#sil.il

Hi Larry, I saw in QST and heard a bulletin that Olympic special call stations in Atlanta, Ga (don't know if anyplace else) will use XX96xx in their calls thruout the olympics. The article did not mention any calls already in use but could be?

73 Jerry Green K4UBR

(PS) hope I aint got no attachments on this!

>>>>>

From wd5ivd@tapr.org Sun Jun 23 05:00:40 1996

Received: (from wd5ivd@localhost) by tapr.org (8.7.5/8.7.3/1.9) id FAA22492 for aprssig@tapr.org; Sun, 23 Jun 1996 05:00:39 -0500 (CDT)

From: Greg Jones <wd5ivd@tapr.org>

Message-Id: <199606231000.FAA22492@tapr.org>

Subject: Garmin-20 GPS TAPR Web Page
To: aprssig@tapr.org (BBS SIG mailing)
Date: Sun, 23 Jun 1996 05:00:39 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]
Content-Type: text

I have attached several pictures of the GARMIN GPS-20 engine on the web page. Take a look if you haven't seen one yet. <http://www.tapr.org/gps>

I think Dorothy at the office has about 30+ orders for the current batch.

Cheers - Greg

From snabkey@wingsbbs.com Sun Jun 23 06:47:04 1996
Received: from wingsbbs.com ([205.243.16.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA25203 for <aprssig@tapr.org>; Sun, 23 Jun 1996 06:47:02 -0500 (CDT)
Message-Id: <199606231147.GAA25203@tapr.org>
Received: from inertia.net by wingsbbs.com
with SMTP (IPAD 1.1a) id 2286500 ; Sun, 23 Jun 96 06:55:39 UTC
Comments: Authenticated sender is <snabkey@wingsbbs.com>
From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
To: aprssig@tapr.org
Date: Sun, 23 Jun 1996 07:46:45 -0000
Subject: Re: [APRSSIG:2308] Re: email overload...
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.23)

On 22 Jun 96 at 23:42, Richard Garcia wrote:

> Ralph N4NEQ Says....
>
> >**** PLEASE, can someone (Keith? Greg?) make the remailer NOT
> >fill in the SIG address for the replies automatically? ****
>
> I say oh please, oh PLEASE! this would be VERY helpful. Saves on
> wasted mail and embaessments. 73's Rich N2CZF n2czf@magg.net
> Jupiter Farms Florida EL96
>

I like the format currently in use.. I use PEGASUS MAIL and I can change the reply to address on my own.

I have only myself to blame for sending a private reply to the whole sig. Get control! Use Pegasus Mail!

Sam Nabkey - WJ8T

Internet: snabkey@wingsbbs.com (<http://205.243.16.75>)
amprnet: wj8t@w8dc.ampr.org
AX.25: WJ8T@W8DC.#SWMI.MI.USA.NOAM

From schiers@ames.net Sun Jun 23 08:18:31 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA27838 for <aprssig@tapr.org>; Sun, 23 Jun 1996
08:18:24 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606231318.IAA27838@tapr.org>
Received: from [206.29.126.237] by ames.net id 42320.wrk; Sun, 23 Jun 1996
08:17:42 -0600
Date: Sat, 22 Jun 96 16:33:19 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2295] Curious about call
In-Reply-To: <717761@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

In <717761@bbs.ames.net>, on 06/22/96 at 04:25 PM,
aprssig@tapr.org said:

>I have been wondering about a call we see in the St Louis area coming in
>on the HF side. The call shows up as KN96HH. Bulletin text from that
>station shows a web page at:

> www.avana.net/pages/personal/kn4hh

>Is anybody else seeing the KN96HH call?
>Larry

yes...and I don't have a clue. 73,

hasan schiers, N0AN

schiers@ames.net

From 70511.3107@compuserve.com Sun Jun 23 08:21:13 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA27960 for <aprssig@tapr.org>; Sun, 23 Jun 1996
08:21:10 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id IAA01606 for <aprssig@tapr.org>; Sun, 23
Jun 1996 08:20:51 -0500
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id IAA18129 for
aprssig@tapr.org; Sun, 23 Jun 1996 08:19:35 -0500
Received: from amsat.org (amsat.org [128.54.16.15]) by cs.tamu.edu (8.6.10/8.6.4)
with ESMTP id JAA21374 for <gerry@cs.tamu.edu>; Sat, 22 Jun 1996 09:26:55 -0500
Received: (daemon@localhost) by amsat.org (8.7.5/8.6.9) id FAA10511 for sarex-
list; Sat, 22 Jun 1996 05:52:10 -0700 (PDT)
Errors-To: owner-sarex@amsat.org
Sender: gerry@cs.tamu.edu
Precedence: List
Received: from dub-img-3.compuserve.com ([149.174.206.133]) by amsat.org
(8.7.5/8.6.9) with SMTP id FAA10501; Sat, 22 Jun 1996 05:52:07 -0700 (PDT)
Received: by dub-img-3.compuserve.com (8.6.10/5.950515)

id IAA14164; Sat, 22 Jun 1996 08:50:29 -0400
Date: 22 Jun 96 08:50:04 EDT
From: Ken Ernandes <70511.3107@compuserve.com>
To: Shuttle Data List <ststle@spacelink.msfc.nasa.gov>,
 Spacelink News <slnews@spacelink.msfc.nasa.gov>,
 cape-canaveral network o <grcc@ams.gsfc.nasa.gov>,
 Mel Roman <ka2upd@amsat.org>, SAREX <sarex@amsat.org>,
 Shuttle Vector <shuttle.keps@totrbbs.atl.ga.us>
Subject: STS-78 Rev 31 Orbital Data
Message-ID: <960622125004_70511.3107_IHD56-1@CompuServe.COM>

STS - 78 ORBITAL DATA

Below is the rev 19 State Vector and Keplerian Elements for STS-78.
The vector data comes from NASA; the orbital parameters were computed
from the vector. Hourly vector updates are available from NASA GSFC
OIG RAID RBBS at (301) 262-6782 or by telnet: oig1.gsfc.nasa.gov
(UserID = oig / Password = goddard1).

Vector format = 117
Satellite Name: STS-78
Catalog Number: 23931 96036A
Epoch Date/Time: 96174.50009953704
 06/22/1996 12:00:08.600 UTC
EFG E: 16974688 ft
F: 484675 ft
G: 13690587 ft
Edot: 233.92 ft/s
Fdot: 24139.93 ft/s
Gdot: -1134.47 ft/s
ndot/2 (drag): 0.00013452543 rev/day^2
nddt/6: 7.54092E-10 rev/day^3
Bstar: 2.36818E-05 1/Earth Radii
Elset #: 9
Rev @ Epoch: 31.26126495081

Launch was 20-JUN-96 / 14:49:00.093

The following Keplerian elements were computed by VEC2TLE from this
vector using a 0.25 drag multiplier:

STS-78
1 23931U 96036A 96174.50009954 .00013453 75409-9 23682-4 0 98
2 23931 39.0142 357.3736 0007920 286.6909 167.3644 16.00869774 314

Satellite: STS-78
Catalog number: 23931
Epoch time: 96174.50009954
Element set: 9
Inclination: 39.0142 deg
RA of node: 357.3736 deg
Eccentricity: 0.0007920

Arg of perigee: 286.6909 deg
Mean anomaly: 167.3644 deg
Mean motion: 16.00869774 rev/day
Decay rate: 1.34525e-04 rev/day^2
Epoch rev: 31
Checksum: 323

VEC2TLE may be downloaded from:
<ftp.amsat.org> /amsat/software/PC/util

Ken Ernandes
n2wwd@amsat.org

From gerry@cs.tamu.edu Sun Jun 23 08:27:18 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA28065 for <aprssig@tapr.org>; Sun, 23 Jun 1996 08:27:17 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id IAA01641 for <aprssig@tapr.org>; Sun, 23 Jun 1996 08:26:58 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id IAA18166 for aprssig@tapr.org; Sun, 23 Jun 1996 08:25:42 -0500
Message-Id: <199606231325.IAA18166@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2291] ITAMSAT IO-26 1000 days in orbit (fwd)
To: aprssig@tapr.org
Date: Sun, 23 Jun 1996 08:25:42 -0500 (CDT)
In-Reply-To: <Pine.SUN.3.91.960622130352.29350E-1000000@arctic> from "Bob Bruninga" at Jun 22, 96 12:12:19 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I suspect it depends on the load. Once again, the satellites are a resource. We have no more right using APRS to "grab" all the resource than, say, the DX Clusters or the tcp/ip folks. If it's busy with other packet traffic, I say, let it lie. If it's freed up, hit it. But don't monopolize it.

gerry

From gerry@cs.tamu.edu Sun Jun 23 08:38:13 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA28473 for <aprssig@tapr.org>; Sun, 23 Jun 1996 08:38:10 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id IAA01699; Sun, 23 Jun 1996 08:37:51 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id IAA18264; Sun, 23 Jun 1996 08:36:35 -0500
Message-Id: <199606231336.IAA18264@solar.cs.tamu.edu>

Subject: STS-78 element set JSC-905 (22-Jun-96) (fwd)
To: rburke@sat.net (Rory Burke), joejarre@netcom.com (Joe Jarrett),
elendir@inf.enst.fr (Elendir),
jmaynard@admin5.hsc.uth.tmc.edu (Jay Maynard),
351.1297@mcimail.com (Fred Maia),
morgan@sed.jsc.nasa.gov (Bill Morgan),
WAYNE@kamugate.tamu.edu (Wayne Pecena),
vis_pfg@unx1.shsu.edu (Paul Gilbert), john@hercules.xilinx.com (John),
g-taylor4@tamu.edu (Greg Taylor),
cakifer@lims02.lerc.nasa.gov (C.A. Kifer),
515.0511@mcimail.com (Jeff Bauer), stevej@onramp.net (Steve Jones),
cowdin@pogo.den.mmc.com (Dave Cowdin),
cranston.reid@windmill.com (Cranston Reid),
bkline@space.honeywell.com (Bob Kline),
kuszniir@owens.ridgecrest.ca.us (Jim Kuszniir), aprssig@tapr.org
Date: Sun, 23 Jun 1996 08:36:34 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Date: Sat, 22 Jun 1996 18:38:07 -0500
> Subject: STS-78 element set JSC-905 (22-Jun-96)
>
>
>
> STS-78
> 1 23931U 96036A 96174.67091749 .00087705 00000-0 15228-3 0 9057
> 2 23931 39.0142 356.2256 0007682 286.0620 73.9512 16.00946493 341
>
> Satellite: STS-78
> Catalog number: 23931
> Epoch time: 96174.67091749 = yrday.fracday
> Element set: 905
> Inclination: 39.0142 deg
> RA of node: 356.2256 deg
> Eccentricity: .0007682
> Arg of perigee: 286.0620 deg
> Mean anomaly: 73.9512 deg
> Mean motion: 16.00946493 rev/day
> Decay rate: 8.77052E-04 rev/day^2
> Epoch rev: 34
> Checksum: 325
>
>
> Gil Carman
>
>
>

--

Gerry Creager N5JXS

* SAREX Co-Investigator

96 07:05:52 am
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Sam Nabkey, WJ8T sez:

>
> I like the format currently in use.. I use PEGASUS MAIL and I can
> change the reply to address on my own.
>
> I have only myself to blame for sending a private reply to the whole
> sig. Get control! Use Pegasus Mail!

And I still use a unix system and Elm. I'd really appreciate the format changing so that the Reply to: header points to the individual rather than the group, so that I can easily reply if is a question NOT likely to be of general interest, or Group Reply if it is a question of more widespread interest.

That you like one mailer over another is fine. Please don't tell me I have to conform to your preferences... life could get pretty boring without the diversity.

gerry

From ke4eer@worldnet.att.net Sun Jun 23 09:33:20 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA01247 for <aprssig@tapr.org>; Sun, 23 Jun 1996 09:33:17 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id OAA08747; Sun, 23 Jun 1996 14:32:15 GMT
Received: from 180.middletown-57.va.dial-access.att.net(207.116.6.180) by mailhost.worldnet.att.net with SMTP id A8718; Sun Jun 23 14:31:49 1996
Message-ID: <31CD716B.6A04@worldnet.att.net>
Date: Sun, 23 Jun 1996 09:31:39 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2311] Re: email overload...
References: <199606231147.GAA25203@tapr.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sam Nabkey, WJ8T wrote:

>
> On 22 Jun 96 at 23:42, Richard Garcia wrote:
>
> > Ralph N4NEQ Says....
> >
> > >**** PLEASE, can someone (Keith? Greg?) make the remailer NOT

> > >fill in the SIG address for the replies automatically? ****
> >
> > I say oh please, oh PLEASE! this would be VERY helpful. Saves on
> > wasted mail and embaessments. 73's Rich N2CZF n2czf@magg.net
> > Jupiter Farms Florida EL96
> >
>
> I like the format currently in use.. I use PEGASUS MAIL and I can
> change the reply to address on my own.
>
> I have only myself to blame for sending a private reply to the whole
> sig. Get control! Use Pegasus Mail!
>
> Sam Nabkey - WJ8T
>
> Internet: snabkey@wingsbbs.com (<http://205.243.16.75>)
> amprnet: wj8t@w8dc.ampr.org
> AX.25: WJ8T@W8DC.#SWMI.MI.USA.NOAM

Here Here, I use Eudora and don't have any problems, If it ain't broke
don't fix it.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From bruninga@nadm.navy.mil Sun Jun 23 15:40:49 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA11663 for <aprssig@tapr.org>; Sun, 23
Jun 1996 15:40:47 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
QAA06887; Sun, 23 Jun 1996 16:41:38 -0400
Date: Sun, 23 Jun 1996 16:41:38 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: winel@pa.net
Subject: PA maps again
Message-ID: <Pine.SUN.3.91.960623163752.6869A-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK, I had more time to clean up the PA maps, and tie in the detail maps
into a good overall system in the area of NW Harrisburg area. This is
all posted in PAmaps04.zip. Its in the tapr/SIG/aprssig/files/upload
directory on the tapr.org FTP site. When u unzip this file into your
APRS directory, be sure to use the standard PKUNZIP -d. And in APRS,
select the PA maps with the MAPS-CHANGE-PA command.

The PAmaps03.zip I left off the commas in the MAPLIST, so it was pretty
well hosed...

de wb4apr@amsat.org

From KE6VRL@aol.com Sun Jun 23 17:01:55 1996
Received: from emout19.mail.aol.com (emout19.mx.aol.com [198.81.11.45]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA14216 for <aprssig@tapr.org>; Sun, 23 Jun 1996 17:01:54 -0500 (CDT)
From: KE6VRL@aol.com
Received: by emout19.mail.aol.com (8.6.12/8.6.12) id SAA07229 for aprssig@tapr.org; Sun, 23 Jun 1996 18:02:14 -0400
Date: Sun, 23 Jun 1996 18:02:14 -0400
Message-ID: <960623180213_141182626@emout19.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2295] Curious about call

In a message dated 96-06-22 16:54:37 EDT, you write:

<< I have been wondering about a call we see in the St Louis area coming in on the HF side. The call shows up as KN96HH. >>

I have not seen that call in 6-land, but it is an Olympic call. :) Hope that answers your question!

73 from Hector KE6VRL@aol.com

From n2czf@magg.net Sun Jun 23 19:11:06 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA18535 for <aprssig@tapr.org>; Sun, 23 Jun 1996 19:11:04 -0500 (CDT)
Received: from Cybergate (wpb-201.magg.net [205.218.112.201]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id UAA18906 for <aprssig@tapr.org>; Sun, 23 Jun 1996 20:01:57 -0400
Date: Sun, 23 Jun 1996 20:01:57 -0400
Message-Id: <199606240001.UAA18906@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: FL APRS Web Site Updated

Well after 1 week the web site is finally taking shape. I have added quite a few links, a page counter, and a new look to it. Thanks to everyone who forwarded requests! It has been quite an experience to learn HTML in such a short time but a LOT of fun 4am mornings!

I plan to add some mapping functions (html that is) for links to various FTP servers which have the most recent editions of APRS or APRS related software, and a seperate GPS .html page so everyone can go to where they need to without paging thru other material. Changes are being made constantly, ask my wife! and stay tuned for some pictures on the site. I hope to get a flatbed scanner in 1-2 months (knowing me less).

http://www.magg.net/~n2czf/aprs.html (APRS)
http://www.magg.net/~n2czf (Personal)
73's Rich N2CZF
n2czf@magg.net
Jupiter Farms Florida EL96

From ve4mjm@draco.bison.mb.ca Sun Jun 23 19:15:21 1996
Received: from electra.cc.umanitoba.ca (root@electra.cc.umanitoba.ca [130.179.16.23]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA18623 for <aprssig@tapr.org>; Sun, 23 Jun 1996 19:15:19 -0500 (CDT)
Received: from mira.cc.umanitoba.ca (uucp@mira.cc.umanitoba.ca [130.179.16.8]) by electra.cc.umanitoba.ca (8.7.1/8.7.1) with SMTP id TAA22351 for <aprssig@tapr.org>; Sun, 23 Jun 1996 19:15:14 -0500 (CDT)
Received: by mira.cc.umanitoba.ca (5.x/SMI-SVR4) id AA23480; Sun, 23 Jun 1996 19:15:08 -0500
>Received: by bison.mb.ca (Smail3.1.28.1 #14) id m0uXtbo-0005m4C; Sun, 23 Jun 96 18:10 GMT
Received: from bison by mira.cc.umanitoba.ca; Sun, 23 Jun 1996 19:15 CDT
Received: by bison.mb.ca (Smail3.1.28.1 #14) id m0uXtbo-0005m4C; Sun, 23 Jun 96 18:10 GMT
Received: by draco.bison.mb.ca id AA00906 (5.67b/IDA-1.5 for aprssig@tapr.org); Sun, 23 Jun 1996 18:38:22 -0500
Date: Sun, 23 Jun 1996 18:38:21 -0500 (CDT)
From: Michael Markmann <ve4mjm@draco.bison.mb.ca>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2317] Re: email overload...
In-Reply-To: <199606231355.IAA18433@solar.cs.tamu.edu>
Message-Id: <Pine.LNX.3.91.960623183445.665A-100000@draco.bison.mb.ca>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 23 Jun 1996, Gerald J Creager wrote:

>
> And I still use a unix system and Elm. I'd really appreciate the format
>

Gerry et. al.,

I use PINE here on a linux system. When responding to a message, I am asked whether or not I wish to use the Reply To: header instead of the From: header and whether I wish to reply to all recipients or not. You might want to give that a try if it is available on your system.

73

Michael

--

Michael Markmann VE4MJM		
ve4mjm@draco.bison.mb.ca (Internet)		ERROR! REALITY.SYS Corrupted!
VE4MJM@VE4KV.#WPG.MB.CAN.NA (AX.25)		Reboot UNIVERSE.EXE!
Hobbies: Electronics, Amateur Radio, Computers, Model Trains, ...		

From dkaszubski@why.net Sun Jun 23 19:48:38 1996
Received: from where.why.net (why.net [205.240.252.21]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id TAA20750 for <aprssig@tapr.org>; Sun, 23 Jun 1996
19:48:37 -0500 (CDT)
Received: from tower165.why.net ([206.160.169.165]) by where.why.net
(post.office MTA v1.9.3 ID# 0-11525) with SMTP id AAA83
for <aprssig@tapr.org>; Sun, 23 Jun 1996 19:47:56 -0500
Message-ID: <31CE0168.2893@why.net>
Date: Sun, 23 Jun 1996 19:46:00 -0700
From: dkaszubski@why.net (dkaszubski)
Organization: The Why? Network
X-Mailer: Mozilla 2.02 (Win95; I; 16bit)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2298] Re: email overload...
References: <199606222131.QAA24089@tapr.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

schiers@ames.net wrote:

>
> In <717503@bbs.ames.net>, on 06/22/96 at 07:30 AM,
> aprssig@tapr.org said:
>
> >When someone asks for help, email them directly, rather than posting an
> >answer to the sig.
>
> <chop>
> Public questions and private answers will severely limit the utility of
> any listserver and I would encourage discretion in adopting Steve's
> approach.
> <chop>

Actually, Since I am 'the other ham' in N5TAM's area, I was really looking forward to an answer posted on the sig, plus to see if we are having a unique problem. Once the KPC-3 is put into GPS mode, I have a difficult time getting it back out to terminal mode. My problem is just slightly different from Roy's in that my terminal software, PROCOMM, does recognize the TNC but cannot convince it to switch out of GPS mode. The responses on the sig to date led me to try different rates of entry, long pauses, no pauses, etc... but the thing STILL won't switch back! The other responses that suggested remote access are very welcome as I hadn't thought of that before, but the bottom line remains 'Is there ANOTHER way to get a KPC-3 out of GPS mode?' E-Mail to Kantronics has failed to elicit a response.

So, don't berate the many responders to seemingly simple questions. Not all of us are at the same level of APRS knowhow as you.

>
> and...with my opinion and a quarter, you can still get a cup of coffee.
>
> 73,
>
> hasan schiers, NOAN

> -----
> schiers@ames.net
> -----

--

Dave Kaszubski WB3FYV
also: ustuia6v@ibmmail.com
Benbrook, Texas
N 32 40.319' W 097 26.844'

President of the Texas Utilities Amateur Radio Club, Comanche Peak Chapter
Affiliated with RACES, ARES, TAPR, ARRL, SWOT, TPRS, Texas VHF FM Society
Still experimenting with APRS...

From ku0g@sprynet.com Sun Jun 23 21:40:14 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA23762 for <aprssig@tapr.org>; Sun, 23 Jun 1996
21:40:12 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.137.125] (ad10-125.compuserve.com [199.174.137.125]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id TAA21962 for <aprssig@tapr.org>; Sun,
23 Jun 1996 19:38:04 -0700
Date: Sun, 23 Jun 1996 19:38:04 -0700
Message-Id: <199606240238.TAA21962@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: TNC out of GPS mode...
To: aprssig@tapr.org
In-Reply-To: <31CE0168.2893@why.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

Just for the record, I'm using the HyperTerminal program that comes with Win95.
It usually takes several tries of shutting the TNC off and doing the CTRL-C 3X
sequence to get out of GPS mode, but persistence DOES pay off!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ku0g@sprynet.com Sun Jun 23 21:45:59 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA23802 for <aprssig@tapr.org>; Sun, 23 Jun 1996
21:45:57 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.137.125] (ad10-125.compuserve.com [199.174.137.125]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id TAA22987 for <aprssig@tapr.org>; Sun,
23 Jun 1996 19:43:50 -0700
Date: Sun, 23 Jun 1996 19:43:50 -0700
Message-Id: <199606240243.TAA22987@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2321] FL APRS Web Site Updated
To: aprssig@tapr.org
In-Reply-To: <199606240001.UAA18906@grumpy.magg.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

I added a hot-link gif image of Florida to my site that links to your new site, Rich. If you are so inclined to add a link to the KC page, the URL is:

<http://home.sprynet.com/sprynet/ku0g/>

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From rwf@mindspring.com Sun Jun 23 21:52:07 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA24111 for <aprssig@tapr.org>; Sun, 23 Jun 1996 21:52:05 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id WAA20683 for <aprssig@tapr.org>; Sun, 23 Jun 1996 22:51:58 -0400
Message-Id: <2.2.32.19960624025255.009a2b38@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 23 Jun 1996 22:52:55 -0400
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Email Overload revisited

Sam- I'm sure most readers allow you to change fields when replying to a message. Mine does. But that was not the issue. The issue was just to add a safeguard to keep folks from accidentally sending replies to the SIG when they meant them to be private. A nice change would be for the field to be blank. I don't even know if it *can* be changed on the remailer end. I only know the question has been asked at least a dozen times and never yet has anyone who is an administrator (of Host) of this list given an answer.

But thanks for the info on Pegasus. Our Company dropped it a year ago when we proved it wouldn't work with Trumpet's Winsock.

One day when you accidentally reply to the SIG when you didn't mean to, we'll try to refrain from smirking ;-)

Ralph

At 07:04 AM 6/23/96 -0500, Sam said:

>

>I like the format currently in use.. I use PEGASUS MAIL and I can

>change the reply to address on my own.

>

>I have only myself to blame for sending a private reply to the whole

>sig. Get control! Use Pegasus Mail!

>

From amirault@laraby.tiac.net Sun Jun 23 22:27:15 1996

Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA25177 for <aprssig@tapr.org>; Sun, 23 Jun 1996 22:27:13 -0500 (CDT)

Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id XAA20219; Sun, 23 Jun 1996 23:27:20 -0400

Date: Sun, 23 Jun 1996 23:27:20 -0400 (EDT)

From: Richard Amirault <amirault@laraby.tiac.net>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2282] email overload...

In-Reply-To: <199606221113.HAA14930@bridge.net>

Message-ID: <Pine.BSF.3.91.960623232536.20116A-100000@laraby.tiac.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 22 Jun 1996, Steve Dimse wrote:

> When someone asks for help, email them directly, rather than posting an
> answer to the sig. The person will get it faster (don't have to wait for
> mailing list to resend it, and everyone won't have to get 20 different
> messages saying 'use three control-c's'.

>

> Radical idea, but it just might work...

Yes but then someone else with the same problem will not see the answer.
(they may not have the same problem right this minute, they could store
this *valuable* information to help themselves (or someone else) later on)

Richard Amirault
amirault@tiac.net

N1JDU
"Go Fly A Kite"

Boston, Massachusetts USA

From amirault@laraby.tiac.net Sun Jun 23 22:32:25 1996

Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA25222 for <aprssig@tapr.org>; Sun, 23 Jun 1996 22:32:23 -0500 (CDT)

Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id XAA20260; Sun, 23 Jun 1996 23:32:30 -0400

Date: Sun, 23 Jun 1996 23:32:29 -0400 (EDT)

From: Richard Amirault <amirault@laraby.tiac.net>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2290] Re: email overload...

In-Reply-To: <31CBFC15.452@itexas.net>

Message-ID: <Pine.BSF.3.91.960623233106.20116B-100000@laraby.tiac.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 22 Jun 1996, Roy Bost wrote:

> Everyone seems to have missed the last sentence of my
> inquiry.....once into the GPS Mode I CANNOT reconnect to the KPC-3 with
> any of my packet programs! I use Hostmaster II+ to set up the KPC-3
> but Hostmaster now tells me I have no TNC connected to the computer.
> PackTerm and PacketPet also respond the same way.

No we didn't miss the last sentence....in GPS mode the TNC ignores
everything from your packet programs ... except three control C's

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

From christen@codger.physics.duq.edu Sun Jun 23 23:04:10 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA26586 for <aprssig@tapr.org>; Sun, 23
Jun 1996 23:04:07 -0500 (CDT)
Received: from wm21.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA22251; Mon, 24 Jun 1996 00:00:58 -0400
Message-Id: <31CE13A7.7C1B@codger.physics.duq.edu>
Date: Mon, 24 Jun 1996 00:03:51 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2326] Email Overload revisited
References: <2.2.32.19960624025255.009a2b38@mindspring.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

rwf wrote:

> The issue was just to add
> a safeguard to keep folks from accidentally sending replies to the SIG when
> they meant them to be private. A nice change would be for the field to be
> blank. I don't even know if it *can* be changed on the remailer end.

The list server adds a "Reply-To" field to the message. Some mailers (like
pine) give you a choice to reply to the "From" or "Reply-To" addresses. Others
(like Netscape mail) don't.

Personally, I'd like to see both the list address and the sender address appear
in the Reply-To: field. Most of the other lists I'm on do that. That way, if
you are directly responding to a question, they get their answer directly, as
well as through the (slower) mailing list. If you want to reply only to the
sender, you can delete the list address.

Personally, I think that the volume of this list would go down by half if the
list address is not the default reply address. Aside from not getting the
direct replies (which others silently benefit from), others are less likely to
put their two cents in when it "costs three cents" (the effort of typing in the

list address).

From ku0g@sprynet.com Mon Jun 24 00:09:15 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id AAA02694 for <aprssig@tapr.org>; Mon, 24 Jun 1996
00:09:13 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.137.125] (ad10-125.compuserve.com [199.174.137.125]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id WAA16633 for <aprssig@tapr.org>; Sun,
23 Jun 1996 22:07:07 -0700
Date: Sun, 23 Jun 1996 22:07:07 -0700
Message-Id: <199606240507.WAA16633@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: More Blackjack Antennas Now Available!
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

Hi, GPS Users! I've just gotten the parts together for another run of the
Blackjack GPS Patch Antenna! Out of this run of 50 antennas I will produce 25
Blackjacks, 20 Naturals (weatherproofed version) and 5 amplified test antennas.

I have just finished putting a dozen single-port mode switches together tonight!
The price for these units is \$15.00 plus \$5.00 shipping/handling!

Get you reservations in now! First come, first served!!!

Terms, as always, are:

MONEY ORDER made payable to James Duncan. Note: We do NOT accept personal
checks! Please don't send them!!! In the near future we will begin taking
Mastercard/Visa, but not until Karla and I can afford the setup fees for a
credit card processing account!

Due to a slight error in estimating shipping charges, I am increasing the
shipping/handling charge to \$5.00 which makes the total for the Blackjack to be
\$44.00. The Natural will sell for \$49.00 plus \$5.00 shipping/handling.

Mail Order/Payment along with shipping address to:

BLACKJACK
13 N.W. Barry Road, #141
Kansas City, MO 64155

I enjoy hearing from those who have purchased the Blackjack Antenna! Please
send a note about your use and the performance of the antenna in your setup!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From sdimse@bridge.net Mon Jun 24 05:59:32 1996
Received: from relay2.UU.NET (relay2.UU.NET [192.48.96.7]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id FAA13335 for <aprssig@tapr.org>; Mon, 24 Jun 1996
05:59:29 -0500 (CDT)
Received: from bridge.net by relay2.UU.NET with ESMTP
 (peer crosschecked as: newworld.bridge.net [204.253.4.4])
 id QQavlz23608; Mon, 24 Jun 1996 06:58:45 -0400 (EDT)
Received: from [204.253.4.45] (ppp-mia1-45.bridge.net [204.253.4.45]) by
bridge.net (8.7.5/8.7.3) with SMTP id GAA27055 for <aprssig@tapr.org>; Mon, 24 Jun
1996 06:55:59 -0400 (EDT)
Message-Id: <199606241055.GAA27055@bridge.net>
Subject: Re: [APRSSIG:2298] Re: email overload...
Date: Mon, 24 Jun 96 06:58:52 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>Ask yourself the question:

>

>Will my answer inform an interest of "quite a few" people or just this
>"one" person. If the former, then I would send it to the list, if the
>latter, send it private. It ain't rocket science to determine what the
>level of interest might be, e.g.,

>

More importantly, ask is this a simple question someone is not able to
find the answer to. This happens to everyone from time to time, and it is
OK to ask these questions. The problem is when 20 people all post the
answer, and each post is mailed out to a couple hundred people, it wastes
a lot of bandwidth, and a lot of time deleting messages from the mailbox.
even if most people don't pay by the byte anymore, their time is still
valuable.

Steve K04HD

From sdimse@bridge.net Mon Jun 24 06:01:34 1996
Received: from relay7.UU.NET (relay7.UU.NET [192.48.96.17]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id GAA13356 for <aprssig@tapr.org>; Mon, 24 Jun 1996
06:01:32 -0500 (CDT)
Received: from bridge.net by relay7.UU.NET with ESMTP
 (peer crosschecked as: newworld.bridge.net [204.253.4.4])
 id QQavma24282; Mon, 24 Jun 1996 07:01:30 -0400 (EDT)
Received: from [204.253.4.45] (ppp-mia1-45.bridge.net [204.253.4.45]) by
bridge.net (8.7.5/8.7.3) with SMTP id GAA27168 for <aprssig@tapr.org>; Mon, 24 Jun
1996 06:58:45 -0400 (EDT)
Message-Id: <199606241058.GAA27168@bridge.net>
Subject: Re: [APRSSIG:2327] Re: email overload...
Date: Mon, 24 Jun 96 07:01:37 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>Yes but then someone else with the same problem will not see the answer.
>(they may not have the same problem right this minute, they could store
>this *valuable* information to help themselves (or someone else) later on)
>

But they won't remember it when they need it. Is it really worth
literally thousands of email messages to answer a question that is in the
docs? I want to stress, I have no problem with the question being posted,
but I think people need to stop and think about whether everyone in the
sig needs to know the answer!

Steve

From snabkey@wingsbbs.com Mon Jun 24 06:35:09 1996
Received: from wingsbbs.com ([205.243.16.10]) by tapr.org (8.7.5/8.7.3/1.9) with
SMTP id GAA14669 for <aprssig@tapr.org>; Mon, 24 Jun 1996 06:35:07 -0500 (CDT)
Message-Id: <199606241135.GAA14669@tapr.org>
Received: from inertia.net by wingsbbs.com
with SMTP (IPAD 1.1a) id 0717800 ; Mon, 24 Jun 96 06:43:46 UTC
Comments: Authenticated sender is <snabkey@wingsbbs.com>
From: "Sam Nabkey, WJ8T" <snabkey@wingsbbs.com>
To: aprssig@tapr.org
Date: Mon, 24 Jun 1996 07:34:51 -0000
Subject: Re: [APRSSIG:2326] Email Overload revisited
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.23)

On 23 Jun 96 at 22:00, rwf wrote:

> Sam- I'm sure most readers allow you to change fields when replying
> to a message. Mine does. But that was not the issue. The issue was
> just to add a safeguard to keep folks from accidentally sending
> replies to the SIG when they meant them to be private. A nice
> change would be for the field to be blank. I don't even know if it
> *can* be changed on the remailer end. I only know the question has
> been asked at least a dozen times and never yet has anyone who is an
> administrator (of Host) of this list given an answer.

>

> But thanks for the info on Pegasus. Our Company dropped it a year
> ago when we proved it wouldn't work with Trumpet's Winsock.

>

> One day when you accidentally reply to the SIG when you didn't mean
> to, we'll try to refrain from smirking ; -)

>

> Ralph

>

>

>

I understand the many folks who want for someone or something to keep
them safe from harming themselves. I was taught to be responsible
for my actions so I take responsibility for myself.. I don't need
the Listserver to hold my hand.

It would be okay to send the mail to both the list and the person..
So if it is a flame (God forbid) or some other thing it could be handled by editing out the sig address and leaving in the personal address.
I also understand the business of pressing the wrong button and sending the "private" message to the whole sig. I have done that . .! Wow.. I was embarrassed. BUT did learn something from it.

BUT I do see a value in the whole sig seeing most return messages..
It leaves a big whole in the "conversation" when listening in, so to speak. . . I think FLAMES should be returned to the address posting the flames and NOT to the whole sig. I see alot of not too constructive critism floating around on here. I answer all my Flames privately, right Gerry?

I do a whole lot of reading and very little posting on the Sig. I enjoy the "forum" style of the List rather than answering the question in private. I have learned much more listening than by talking in my life. This SIG is no exception.

Now lets end the Thread and talk about APRS!!!!

Sam Nabkey - WJ8T

Internet: snabkey@wingsbbs.com (<http://205.243.16.75>)
amprnet: wj8t@w8dc.ampr.org
AX.25: WJ8T@W8DC.#SWMI.MI.USA.NOAM

From b.gotshall@worldnet.att.net Mon Jun 24 06:52:59 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA15082 for <aprssig@tapr.org>; Mon, 24 Jun 1996 06:52:57 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id LAA22387; Mon, 24 Jun 1996 11:52:26 GMT
Date: Mon, 24 Jun 1996 11:52:26 GMT
Message-Id: <199606241152.LAA22387@mailhost.worldnet.att.net>
Received: from 51.orlando-1.fl.dial-access.att.net(199.70.196.51) by mailhost.worldnet.att.net with SMTP id A22362; Mon Jun 24 11:52:21 1996
X-Sender: b.gotshall@postoffice.worldnet.att.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
Subject: Re: [APRSSIG:2323] Re: email overload...

At 01:03 AM 6/24/96 +0000, you wrote:

>schiers@ames.net wrote:

>>

>> In <717503@bbs.ames.net>, on 06/22/96 at 07:30 AM,

>> aprssig@tapr.org said:

```

>>
>> >When someone asks for help, email them directly, rather than posting an
>> >answer to the sig.
>>
>> <chop>
>-----SNIP-----
>> and...with my opinion and a quarter, you can still get a cup of coffee.
>>
>> 73,
>>
>> hasan schiers, NOAN
>> -----
>> schiers@ames.net
>> -----
>
-----snip2-----

```

IMHO it's not the reply as much as re posting the entire message first that gets to be a problem. Just a line or two as a reminder should do.

Bud (WB4LTF)

```

From mwalker@interlog.com Mon Jun 24 07:18:05 1996
Received: from smtp.interlog.com (root@smtp.interlog.com [198.53.145.6]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA15889 for <aprssig@tapr.org>; Mon, 24
Jun 1996 07:18:03 -0500 (CDT)
Received: from gold.interlog.com (root@gold.interlog.com [198.53.145.2]) by
smtp.interlog.com (8.7.4/8.7.4) with ESMTP id IAA02100 for <aprssig@tapr.org>;
Mon, 24 Jun 1996 08:11:17 -0400 (EDT)
Received: from INTERLOG.COM (mwalker.interlog.com [199.212.152.131]) by
gold.interlog.com (8.6.10/8.6.10) with SMTP id IAA18750 for <aprssig@tapr.org>;
Mon, 24 Jun 1996 08:17:56 -0400
Message-Id: <199606241217.IAA18750@gold.interlog.com>
From: "Mike Walker" <mwalker@interlog.com>
To: "APRSSIG" <aprssig@tapr.org>
Date: Mon, 24 Jun 96 08:16:42 -0400
Reply-To: "Mike Walker" <mwalker@interlog.com>
Priority: Normal
X-Mailer: Mike Walker's Registered PMMail 1.5
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Subject: KPC out of GPS Mode

```

You can exit GPS mode with your KPC using 2 methods. One, set up the remote control feature (MYREMOTE and RTEXT commands) and connect to the unit remotely and send the command INTF TERM. The other method is to hook up the TNC to your computer at 4800 baud and send the following stream Q . (You can cut this to a file and send it to your TNC with a modem program, or hold down the ALT key and hit 192 on your keyboard (make sure numlock is on and use the Num = Keypad). The ALT-192 will produce the character. See =

page 83 of the KPC-3 manual (Kantronics Host Mode Operation).
I have included the above character stream in the INITTAPR.TNC file so when I take the TNC from standalone and hook it up to the laptop, it automatically takes the TNC out of GPS mode. Make sure you also reset your BLT commands to 0A0, or you will be sending Posits at the rate you hand programmed.
mwalker@interlog.com
127 High St. W.
Mississauga, ON
L5H 1K4

From jleonard@tbcnet.com Mon Jun 24 08:09:12 1996
Received: from tbc1.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id IAA17747 for <aprssig@tapr.org>; Mon, 24 Jun 1996 08:09:10 -0500 (CDT)
Received: from ts244.tbcnet.com (ts244.tbcnet.com [207.112.227.44]) by tbc1.tbcnet.com (8.7.4/8.7.3) with SMTP id IAA23459 for <aprssig@tapr.org>; Mon, 24 Jun 1996 08:09:09 -0500
Date: Mon, 24 Jun 1996 08:09:09 -0500
Message-Id: <199606241309.IAA23459@tbc1.tbcnet.com>
X-Authentication-Warning: tbc1.tbcnet.com: Host ts244.tbcnet.com [207.112.227.44] didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Subject: Re: [APRSSIG:2331] Re: email overload...

I hope some can appreciate the irony of the amount of email generated, several posts coming from a single person, on the subject of "Re: email overload", which, in itself, has aggravated the email overload situation.

73's all, and it was good to see some APRS stations on Field Day.

jbl

At 06:13 6/24/96 -0500, you wrote:

>>Ask yourself the question:

>>

>>Will my answer inform an interest of "quite a few" people or just this
>>"one" person. If the former, then I would send it to the list, if the
>>latter, send it private. It ain't rocket science to determine what the
>>level of interest might be, e.g.,

>>

>More importantly, ask is this a simple question someone is not able to
>find the answer to. This happens to everyone from time to time, and it is
>OK to ask these questions. The problem is when 20 people all post the
>answer, and each post is mailed out to a couple hundred people, it wastes
>a lot of bandwidth, and a lot of time deleting messages from the mailbox.
>even if most people don't pay by the byte anymore, their time is still
>valuable.

>
>Steve K04HD
>

J Barry Leonard/N9VJQ
DeKalb IL
E-MAIL: jleonard@tbcnet.com
WWW Home Page http://tbcnet.com/~jleonard/leonard.htm

From schiers@ames.net Mon Jun 24 08:13:33 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA17829 for <aprssig@tapr.org>; Mon, 24 Jun 1996
08:13:32 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606241313.IAA17829@tapr.org>
Received: from [206.29.126.237] by ames.net id 419c0.wrk; Mon, 24 Jun 1996
08:12:56 -0600
Date: Mon, 24 Jun 96 08:12:54 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2333] Re: Email Overload revisited
In-Reply-To: <718742@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

In <718742@bbs.ames.net>, on 06/24/96 at 08:05 AM,
aprssig@tapr.org said:

>Now lets end the Thread and talk about APRS!!!!!!
>Sam Nabkey - WJ8T

Yes, let's.

hasan schiers, NOAN--

schiers@ames.net

From jleonard@tbcnet.com Mon Jun 24 08:28:32 1996
Received: from tbc1.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id IAA18451 for <aprssig@tapr.org>; Mon, 24 Jun 1996
08:28:30 -0500 (CDT)
Received: from ts244.tbcnet.com (ts244.tbcnet.com [207.112.227.44]) by
tbc1.tbcnet.com (8.7.4/8.7.3) with SMTP id IAA23730 for <aprssig@tapr.org>; Mon,
24 Jun 1996 08:28:29 -0500
Date: Mon, 24 Jun 1996 08:28:29 -0500
Message-Id: <199606241328.IAA23730@tbc1.tbcnet.com>
X-Authentication-Warning: tbc1.tbcnet.com: Host ts244.tbcnet.com [207.112.227.44]
didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org

From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Subject: APRS WX station request

A comment from someone during the Field Day:

He likes to turn to the APRS freq to see what my U-II is reporting for WX conditions. Once he was able to figure out what the xxx/xx/xxT/xxR/xxxP stood for, it made sense to him.

He did comment on what appeared to him to be a very wide discrepancy from one report to another; for example, a report that said that the wind was 300 deg/04 mph, temp 34, rain .05 in, then suddenly the report is 080/15/T86,etc.

I explained that the program stores the last WX report it got, and xmitted it until the U-II sent the APRS a current wx report. At least I think that's how it works.

Hey, Bob, APR. He asked, and I agreed with him, if the DOSAPRS could suspend wx reports on start-up until it gets fresh U-II info. That way only current wx reports would be xmitted.

ps: I haven't heard much about WinAPRS lately. It's been over a month since Dayton. Is that a dead issue now?

anyhow, thanks, Bob, for making a version that works. I was able to run it on a Gridpad over FD (no, it wasn't my first choice for computers, either, but that's all I had, without lugging the Pentium desktop out there. And, no, guys, I WON'T get a Mac just for APRS), got credit for packet, was able to get several QSO's, and demonstrate it, and the WX stations, to several people, one of which a Northern IL Univ student in the Meteorology program there, that didn't know that capability existed.

73's

jbl

J Barry Leonard/N9VJQ
DeKalb IL
E-MAIL: jleonard@tbcnet.com
WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>

From sguccion@outland.dtcc.edu Mon Jun 24 08:30:19 1996
Received: from outland.dtcc.edu (sguccion@outland.dtcc.edu [138.123.12.201]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA18495 for <aprssig@tapr.org>; Mon, 24 Jun 1996 08:30:17 -0500 (CDT)
Received: (from sguccion@localhost) by outland.dtcc.edu (8.6.11/8.6.11) id JAA20274; Mon, 24 Jun 1996 09:29:08 -0400
Date: Mon, 24 Jun 1996 09:29:08 -0400 (EDT)

From: Dr Samuel Guccione <sguccion@outland.dtcc.edu>
X-Sender: sguccione@outland
To: aprssig@tapr.org
Subject: Shuttle
Message-ID: <Pine.SV4.3.91.960624092724.20241A@outland.dtcc.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone hear the shuttle this past field day weekend. Unless we had bad
keps, not a peep from them on Saturday and especially Sunday. There was
an 82 degree pass over our location at about 1:00 pm.

Sam K3BY in Delaware

From bruninga@nadm.navy.mil Mon Jun 24 09:15:52 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA20831 for <aprssig@tapr.org>; Mon, 24
Jun 1996 09:15:51 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
KAA00855; Mon, 24 Jun 1996 10:16:48 -0400
Date: Mon, 24 Jun 1996 10:16:48 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: APRS Sarex score card (2)
Message-ID: <Pine.SUN.3.91.960622225944.2449A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Following is the log I have monitored on the east coast and Internet

PASS EDT	ZULU	COMMENTS
21 1745	2145z	Voice K04HD Fl Keys
21	2238z	Voice Guiccone San Diego, and W5GEL Texas
22 0915	1315z	nothing
22 1050	1450z	nothing
22 1224	1624z	nothing
22 1400	1800z	nothing
22 1530	1930z	nothing
23 0915	1315z	nothing
23 1050	1450z	nothing
23 1225	1625z	nothing
23 1405	1805z	nothing
23 1535	1935z	nothing
23	2110z	Voice heard in Calif
24 0740	1140z	nothing
24 0910	1310z	nothing

APRSDOS REPLY COMMENT: Oh well... At least APRS will do it in automatic
mode.. if they ever do activate the SAREX Robot, hi hi

de wb4apr@amsat.org

From kirk@neptune.gsfc.nasa.gov Mon Jun 24 09:16:48 1996
Received: from mailhost.gsfc.nasa.gov (tinker-toy.gsfc.nasa.gov [128.183.50.19])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA20851 for <aprssig@tapr.org>; Mon,
24 Jun 1996 09:16:47 -0500 (CDT)
Received: from neptune.gsfc.nasa.gov by mailhost.gsfc.nasa.gov (5.65/Ultrix3.0-C)
id AA22132; Mon, 24 Jun 96 10:16:40 -0400
Received: from isobar.gsfc.nasa.gov by neptune.gsfc.nasa.gov via SMTP
(950911.SGI.8.6.12.PATCH825/920502.SGI)for <aprssig@tapr.org> id KAA26804; Mon, 24
Jun 1996 10:19:41 -0400
Message-Id: <2.2.32.19960624141854.006ca310@neptune.gsfc.nasa.gov>
X-Sender: kirk@neptune.gsfc.nasa.gov
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Jun 1996 10:18:54 -0400
To: aprssig@tapr.org
From: Robert Kirk <kirk@neptune.gsfc.nasa.gov>
Subject: Re: Shuttle

At 08:36 6/24/96 -0500, you wrote:

>Anyone hear the shuttle this past field day weekend. Unless we had bad
>keps, not a peep from them on Saturday and especially Sunday. There was
>an 82 degree pass over our location at about 1:00 pm.
>
>Sam K3BY in Delaware
>

Nope, tried copying the same pass here in MD with no luck.

Bob Kirk
N30ZB

From barrettd@crpl.cedar-rapids.lib.ia.us Mon Jun 24 09:30:05 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us
[198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA21217 for
<aprssig@tapr.org>; Mon, 24 Jun 1996 09:30:03 -0500 (CDT)
Received: from ppp-105.cedar-rapids.lib.ia.us by CRPL.CEDAR-RAPIDS.LIB.IA.US with
SMTP;
Mon, 24 Jun 1996 9:27:52 -0500 (CDT)
Received: by ppp-105.cedar-rapids.lib.ia.us with Microsoft Mail
id <01BB61AF.D9D497A0@ppp-105.cedar-rapids.lib.ia.us>; Mon, 24 Jun 1996
09:30:58 -0500
Message-ID: <01BB61AF.D9D497A0@ppp-105.cedar-rapids.lib.ia.us>
From: "David E. Barrett" <barrettd@crpl.cedar-rapids.lib.ia.us>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:2333] Re: Email Overload revisited
Date: Mon, 24 Jun 1996 08:46:21 -0500
Encoding: 21 TEXT, 43 UUENCODE
X-MS-Attachment: WINMAIL.DAT 0 00-00-1980 00:00

M!<! L .1` '%W!G'W/M% L@J%<0I00"% @0N ZS_P!1!V1#!E02,1P#C CSX`
M/I \$H F (&UU\$;!_2' %L#WQ0^\$)\\$5\$`Y%B9S]P"H4!D&QK/L)&P6WE/W)F
M1U)4: 0`!@`W@,M&L 0@;CUP97@%D 4P94:!!+CG<3F\'X#W@=/\\$ (GP.2!
MLDP`/H(^TJRV\$` !N!U!4 W,B%1(C+=7SOD'HP=#R>0%J)S"W!D(U%74M50
M+E-!(\$DGS2<`=0"0/M%%>!&Q'\$"_++!"D4"A3"\$90 M0>5:!.SY@`'!Y`B L
ML!'P92?G!"!\$D05 ;F%#`3' `D#=#`-!H!X ",\$,+Q=0W03J+[2' LL&M,P ?@
M2A\$54#AQ?S["6]\$_`DS !4! LTQA<ZL]<#U 8P.1=#]A=#UP_1_09PAP0T%0
ML3VP/W YD/\]40>16=,'0 ,@2A\$YD%FA^1'P;&9-ACJ_'5<\71AA`@!E4 `#
M`! 0`'````', \$1 !`'``0 ``', (" +3\+28;L!0 `(' (" +3\+28;L!'@`]'``\$`
8``%'``4D4Z(````#`TT_3<`!=D
,

end

From stanzepa@usa.nai.net Mon Jun 24 10:21:09 1996
Received: from usa.nai.net (usa.nai.net [204.71.21.10]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA23400 for <aprssig@tapr.org>; Mon, 24 Jun 1996
10:21:04 -0500 (CDT)
Received: from [206.98.48.247] (naih1p8.nai.net [206.98.48.247]) by usa.nai.net
(8.6.12/8.6.5) with SMTP id LAA06619 for <aprssig@tapr.org>; Mon, 24 Jun 1996
11:17:09 -0400
Message-Id: <v01510100adf4628676c3@[206.98.48.247]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Jun 1996 11:20:50 -0400
To: aprssig@tapr.org
From: stanzepa@usa.nai.net (stan horzepa)
Subject: Re: [APRSSIG:2339] Shuttle

Nothing heard here all weekend and nothing heard today (Monday) either.

>Anyone hear the shuttle this past field day weekend.

>

>Sam K3BY in Delaware

From schiers@ames.net Mon Jun 24 11:16:38 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id LAA25224 for <aprssig@tapr.org>; Mon, 24 Jun 1996
11:16:36 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606241616.LAA25224@tapr.org>
Received: from [206.29.126.237] by ames.net id 59fb0.wrk; Mon, 24 Jun 1996
11:15:56 -0600
Date: Mon, 24 Jun 96 11:08:26 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2336] Re: email overload...
In-Reply-To: <718823@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

In <718823@bbs.ames.net>, on 06/24/96 at 10:42 AM,
aprssig@tapr.org said:

>I hope some can appreciate the irony of the amount of email generated,

>several posts coming from a single person, on the subject of "Re: email
>overload",

It happens every time an issue is raised...the mail to discuss the mail exceeds the original topic by an order of magnitude.

It should also be noted that "email overload" as far as I am concerned is a theoretical construct. I have never experienced a "crawling" of the network as a result of mail on a specific topic...it is cumulative, of course, but excruciatingly difficult to pinpoint.

A modicum of restraint and judicious use of the delete key will suffice. SPAM far outweighs the impact of "too many answers", casual discussion, off topic discussion or "discussions of discussion".

It kinda works like this:

1. A simple question gets asked and a bunch of answers are offered, all with the same advice.
2. Someone complains about the multiple answers or barks about RTFM.
3. Several others join in pro and con.
4. Several others lament the joining in pro and con.
5. Someone says, let's drop this thread.
6. Several others agree and add their personal assessment of the problem/solution.
7. Everyone eventually gets bored with items 1-6 above and the thread dies.

I doubt if this process will change much, so my delete key keeps pretty busy, but I don't bother to complain, as it's too much like teaching a pig to sing. (Don't be offended if you don't know the joke...if you do, you won't be offended.)

73,

hasan schiers, NOAN--

schiers@ames.net

From ke4eer@worldnet.att.net Mon Jun 24 11:18:55 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA25549 for <aprssig@tapr.org>; Mon, 24 Jun 1996 11:18:53 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id QAA21373; Mon, 24 Jun 1996 16:18:21 GMT
Received: from 107.middletown-57.va.dial-access.att.net(207.116.6.107) by mailhost.worldnet.att.net with SMTP id A21353; Mon Jun 24 16:18:18 1996
Message-ID: <31CEDBE3.151E@worldnet.att.net>
Date: Mon, 24 Jun 1996 11:18:11 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2340] APRS Sarex score card (2)
References: <Pine.SUN.3.91.960622225944.2449A-1000000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> Following is the log I have monitored on the east coast and Internet
>
> PASS EDT ZULU COMMENTS
> -----
> 21 2238z Voice Guiccone San Diego, and W5GEL Texas-----

The above is the only thing i heard at all over the weekend.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From w2g3zfj@unix.asb.com Mon Jun 24 11:31:47 1996
Received: from unix.asb.com (root@unix.asb.com [165.254.128.4]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id LAA25738 for <aprssig@tapr.org>; Mon, 24 Jun 1996
11:31:44 -0500 (CDT)
Received: from asb33 (sls23.asb.com [165.254.128.33]) by unix.asb.com
(8.6.12/8.6.9) with SMTP id MAA08711 for <aprssig@tapr.org>; Mon, 24 Jun 1996
12:40:45 -0400
Date: Mon, 24 Jun 1996 12:40:45 -0400
Message-Id: <199606241640.MAA08711@unix.asb.com>
X-Sender: w2g3zfj@unix.asb.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: bob <w2g3zfj@unix.asb.com>
Subject: WINAPRS, any progress?

Hi Folks

Any progress on another update of winAPRS? Seems a long time since any
changes were made. Plenty of bugs to fix!

BTW I am using it virtually 24 hrs now as GATE into Long Island area.
Generally it only crashes when you close/open map windows, if you don't
touch it it seems pretty stable. Annoying to have all those callsigns
changing by themselves though!

73 de bob
w2g3zfj@unix.asb.com
<http://www.asb.com/usr/w2g3zfj/aprs1.htm>

From largriff@onramp.net Mon Jun 24 11:34:19 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA26067 for <aprssig@tapr.org>; Mon, 24 Jun 1996 11:34:18 -0500 (CDT)
Received: from swta.onramp.net (swta.onramp.net [199.1.172.10]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id LAA08295 for <aprssig@tapr.org>; Mon, 24 Jun 1996 11:34:16 -0500 (CDT)
Received: by swta.onramp.net with Microsoft Mail id <01BB61C0.E9399220@swta.onramp.net>; Mon, 24 Jun 1996 11:33:05 -0500
Message-ID: <01BB61C0.E9399220@swta.onramp.net>
From: Larry Griffin <largriff@onramp.net>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: How to make MS Exchange reply to APRSSIG correctly
Date: Mon, 24 Jun 1996 11:32:28 -0500
Encoding: 26 TEXT

From: David E. Barrett
Sent: Monday, June 24, 1996 8:46 AM
To: 'aprssig@tapr.org'
Subject: RE: [APRSSIG:2333] Re: Email Overload revisited

I'm using Exchange for this reply. If anyone see's that nasty attachment stuff let me know by emailing me and not the SIG so I can try to figure out why it does that all by it's self.

=====

David, I use MS Exchange too. There is a problem with using the Reply feature. The source of the problem is really with the APRSSIG remailer not understanding what to do with RTF characters and converting them to attachments. You'll notice there will be no problem if you reply to someone who sends you direct email, but if you reply to the APRSSIG people will flame you bigtime!

The solution that works for me is to use the Forward button instead of the Reply button. This is only necessary on some SIGs. You'll have to manually re-enter the SIG address (aprssig@tapr.org), but at least it works.

Larry Griffin <largriff@onramp.net>

From ku0g@sprynet.com Mon Jun 24 12:48:30 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA29558 for <aprssig@tapr.org>; Mon, 24 Jun 1996 12:48:27 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.134.18] (ad07-018.compuserve.com [199.174.134.18]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id KAA02020 for <aprssig@tapr.org>; Mon, 24 Jun 1996 10:46:14 -0700
Date: Mon, 24 Jun 1996 10:46:14 -0700

Message-Id: <199606241746.KAA02020@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2339] Shuttle
To: aprssig@tapr.org
In-Reply-To: <Pine.SV4.3.91.960624092724.20241A@outland.dtcc.edu>
X-Mailer: SPRY Mail Version: 04.00.06.21

KB0UZQ reported to me that the digi was NOT on, but they shuttle crew was heard on voice making FD contacts!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From tweedy@pc.gcs.litton.com Mon Jun 24 13:20:14 1996
Received: from lcsdns1.litton.com (lcsdns1.litton.com [139.61.7.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA00836 for <aprssig@tapr.org>; Mon, 24 Jun 1996 13:20:12 -0500 (CDT)
Received: from lcsipdp (lcsipdp.litton.com) by lcsdns1.litton.com (4.1/SMI-4.1) id AA29339; Mon, 24 Jun 96 11:18:24 PDT
Received: from pc.gcs.litton.com by lcsipdp (4.1/SMI-4.1) id AA02342; Mon, 24 Jun 96 11:27:42 PDT
Received: from Connect2 Message Router by pc.gcs.litton.com via Connect2-SMTP 4.00; Mon, 24 Jun 96 11:20:23 -0700
Message-Id: <47C8CE3101B4ABAA@pc.gcs.litton.com>
In-Reply-To: <24C8CE3101B4ABAA>
Date: Mon, 24 Jun 96 09:30:03 -0700
From: "TWEEDY, MIKE WH:2453" <tweedy@pc.gcs.litton.com>
Sender: "TWEEDY, MIKE WH:2453" <tweedy@pc.gcs.litton.com>
Organization: Litton GC/S
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2341] Re: Shuttle
X-Mailer: Connect2-SMTP 4.00 MHS to SMTP Gateway

Nope-- I was at our Field Day site in Simi Valley, Ca and didn't hear a peep out of them either on either Saturday or Sunday.

73's de Mike KA6SPT

-----REPLY
SEPARATOR-----

>>Anyone hear the shuttle this past field day weekend. Unless we had bad
>>keys, not a peep from them on Saturday and especially Sunday. There
was
>>an 82 degree pass over our location at about 1:00 pm.
>>
>>Sam K3BY in Delaware
>>

>Nope, tried copying the same pass here in MD with no luck.
>
>Bob Kirk
>N3OZB

From ke4eer@worldnet.att.net Mon Jun 24 13:20:20 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA00853 for
<aprssig@tapr.org>; Mon, 24 Jun 1996 13:20:18 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id SAA17758; Mon, 24 Jun 1996 18:20:48 GMT
Received: from 110.middletown-57.va.dial-access.att.net(207.116.6.110)
by mailhost.worldnet.att.net with SMTP
id A17697; Mon Jun 24 18:20:44 1996
Message-ID: <31CEF855.24C2@worldnet.att.net>
Date: Mon, 24 Jun 1996 13:19:33 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Maps
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I want to thank everyone on the sig for answering my plea for making a 32
or 64 mile map for some potential new PARS users around the New Orleans
area. I got exactly 1 offer and that person did attempt to make me one
but had problems with it, so in summing up i didn't get one!. It look
like sig users are to busy posting those silly requests for changes in
the format, or who should answer who and in what way, Sound like a bunch
of little kids that are fighting over what color marbles to use. Then
there are those that critizise me for what i post, wake up guys.

Anyway i have posted those map files on tapr for Jan WB5TKC, but anyone
else that wants them they are there as WB5TKC.ZIP & WB5TKC.TXT. I don't
leave the stuff there to long so get them now. I erase my files as not to
clutter up tapr. Go ahead guys send the flames, but do it in private
e-mail please.

--
Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From byoung@qni.com Mon Jun 24 14:24:04 1996
Received: from qni.com (root@qni.com [206.29.114.4]) by tapr.org (8.7.5/8.7.3/1.9)
with SMTP id OAA03183 for <aprssig@tapr.org>; Mon, 24 Jun 1996 14:24:02 -0500
(CDT)
From: byoung@qni.com
Received: from [206.29.114.152] (s152.qni.com) by qni.com (5.x/SMI-SVR4)
id AA14667; Mon, 24 Jun 1996 14:24:41 -0500
Date: Mon, 24 Jun 1996 14:24:40 -0500

Message-Id: <9606241924.AA14667@qni.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2340] APRS Sarex score card (2)
To: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.960622225944.2449A-100000@arctic>
X-Mailer: SPRY Mail Version: 04.10.06.22

SAREX ROBOT watchers,

I've got 7.6e (Space mode) "loaded and cocked" just waiting! Haven't "heard" from the shuttle yet, but I remain hopeful. Thanks to Bob for the quick release of the beta to resolve the reset issue. Now if the shuttle would just oblige by "doing digi", I could test it....

Bill Young
byoung@qni.com
KB0UZQ

From vampmasq@felix.TECLink.Net Mon Jun 24 14:54:28 1996
Received: from felix (root@felix.teclink.net [205.229.32.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA04362 for <aprssig@tapr.org>; Mon, 24 Jun 1996 14:54:26 -0500 (CDT)
Received: from [205.229.39.82] by felix (5.x/SMI-SVR4) id AA05995; Mon, 24 Jun 1996 14:54:13 -0500
Message-Id: <v01540b02adf45c0535c2@[205.229.39.82]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Jun 1996 14:54:21 +0000
To: aprssig@tapr.org
From: vampmasq@felix.TECLink.Net (Richard Albee)
Subject: Re: [APRSSIG:2343] Re: Shuttle
Cc: aprssig@tapr.org

At 1545 CDT 24June 96 heard MIR for 4 transmissions. 145.55
Richard Albee

From christen@codger.physics.duq.edu Mon Jun 24 16:31:39 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA08787 for <aprssig@tapr.org>; Mon, 24 Jun 1996 16:31:38 -0500 (CDT)
Received: from wm8.icubed.com by infobahn.icubed.com; (5.65/1.1.8.2/25Jun95-1044PM) id AA19475; Mon, 24 Jun 1996 17:28:28 -0400
Message-Id: <31CF08B2.30C2@codger.physics.duq.edu>
Date: Mon, 24 Jun 1996 17:29:22 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org

Subject: Re: [APRSSIG:2347] How to make MS Exchange reply to APRSSIG correctly
References: <01BB61C0.E9399220@swta.onramp.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry Griffin wrote:

> David, I use MS Exchange too. There is a problem with using the Reply
> feature. The source of the problem is really with the APRSSIG remailer not
> understanding what to do with RTF characters and converting them to
> attachments.

The listserver does not attach anything. The attachment is made by the original
mailer, M\$ Exchange.

The source of the problem is that Exchange sends them in the first place.
Somewhere, buried deep in some menu, is a button that selects if the RTF version
will be sent or not. Since Exchange is meant to be used as a workgroup mail
program, not an internet mailer program, this defaults to "on", so the visual
fruit salad of mixed fonts, underlines, italics, and what all else is not lost
when sending it to your co-worker across the hall.

The unfortunate side effect is that the messages that are sent are about three
times the length that they need to be.

(Personally, I think that it's a M\$ plot to simply annoy the hell out of everyone
that uses a competitor's product.)

From kf4dys@juno.com Mon Jun 24 16:39:44 1996
Received: from x4.boston.juno.com (x4.boston.juno.com [205.231.101.22]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA09183 for <aprssig@tapr.org>; Mon, 24
Jun 1996 16:39:43 -0500 (CDT)
Received: (from kf4dys@juno.com) by x4.boston.juno.com (queuemail)
id RAA06181; Mon, 24 Jun 1996 17:39:15 EDT
To: aprssig@tapr.org
Date: Mon, 24 Jun 1996 15:51:12 PST
Subject: WinAPRS
Message-ID: <19960624.163348.4399.0.kf4dys@juno.com>
X-Mailer: Juno 1.00
X-Juno-Line-Breaks: 0-1,5-6,9-10,12-16
From: kf4dys@juno.com (Joe Foor)

Hello all;

In the Florida EPAN (East Panhandle) ARES APRS net, I have the
responsibility of posting all tropical cyclone tracking data. I download
the latest info from the NWS over the internet and manually input the
position, course, speed and time of report.

I have found that not only will WinAPRS not dead reckon, it also screws
up the DosAPRS stations dead reckoning, by updating the time at every
transmission of the position data.

I don't see anything about dead reckoning tracking in the docs for WinAPRS. Can anyone tell me how to work around this?

regards,
Joe KF4DYS

From lmkeeran@rs6000.cmp.ilstu.edu Mon Jun 24 16:44:33 1996
Received: from aixa.nsys.ilstu.edu (root@aixa.nsys.ilstu.edu [138.87.7.200]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA09305 for <aprssig@tapr.org>; Mon, 24 Jun 1996 16:44:31 -0500 (CDT)
Received: from i0517009.adm.ilstu.edu by aixa.nsys.ilstu.edu (AIX 3.2/UCB 5.64/4.03)
id AA06097; Mon, 24 Jun 1996 16:42:39 -0500
Message-Id: <v02120d06adf4aee28f30@[138.87.2.109]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Jun 1996 16:44:31 -0500
To: aprssig@tapr.org
From: lmkeeran@rs6000.cmp.ilstu.edu (Larry Keeran)
Subject: Cleanup of upload area

The TAPR upload area for APRS files is continuously undergoing a cleanup. The upload area is a nice central point to find the most recent files. Then, they have to be "filed" in the correct place. I have volunteered to keep track of what goes where and redirect the upload files into the correct subdirectories after they have been in the upload directory a while.

Background-

The TAPR WWW site will have the descriptions of each file (sort of like: ftp://ftp.tapr.org/tapr/software_lib/00-index.txt) and then you will click on the filename to download it. This requires a description of the file that you upload. I may not understand what the file does so it is best that whoever uploads a file include a text file with the same name describing the particulars of that upload. Include the decompressing details (such as; Please pkunzip to a directory called ABCDEFG using the -d switch) (or This is a self extracting Macintosh file that requires AppleEvents) in the description.

also see: ftp://ftp.tapr.org/tapr/software_lib/UPLOAD/readme

I am recommending the following files be moved to the directory name that is after the file name:

```
mv MOWINMAP.ZIP /files/maps/WinMacMaps/  
mv NEBDYS2M.MAP /files/maps/PCMaps/  
mv SDBDYS2M.MAP /files/maps/PCMaps/  
mv TNMAPS04.ZIP /files/maps/PCMaps/  
mv autwx63.zip /files/dosstuff/  
mv dlgview2.txt /files/dosstuff/  
mv dlgview2.zip /files/dosstuff/  
mv ilmadco.zip /files/maps/PCMaps
```

```
mv logsat51.exe /files/dosstuff/
mv madtran.exe /files/dosstuff/
mv mdmaps06.zip /files/maps/PCMaps/
mv nemaps01.zip /files/maps/PCMaps/
mv nw_gps.bin /files/dosstuff/
mv ohmaps07.zip /files/maps/PCMaps/
mv pamaps04.zip /files/maps/PCMaps/
mv precedus.exe /files/dosstuff/
mv tnnewmap.zip /files/maps/PCMaps/
mv wiwest.zip /files/maps/PCMaps
```

If anyone knows the contents of each of those files, could you upload a text file with the same name but ending with .txt? Let me know soon if you want them to be put in a different subdirectory.

The following file is to be removed. A readme.txt in this directory should talk about upload related information. I believe it also is in the correct directory besides this one.

```
rm readme.txt
```

[illegible]

From n2czf@magg.net Mon Jun 24 16:54:53 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA09770 for <aprssig@tapr.org>; Mon, 24 Jun 1996 16:54:52 -0500 (CDT)
Received: from Cybergate (wpb-144.magg.net [205.218.112.144]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id RAA08905 for <aprssig@tapr.org>; Mon, 24 Jun 1996 17:45:46 -0400
Date: Mon, 24 Jun 1996 17:45:46 -0400
Message-Id: <199606242145.RAA08905@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: Re: [APRSSIG:2344] Re: email overload...

Hey you know all this talk about "e-mail overload" is overloading my e-mail!!
73's Rich N2CZF
n2czf@magg.net
Jupiter Farms Florida EL96

From gwyn@paccomm.com Mon Jun 24 17:36:50 1996
Received: from paccomm.com (paccomm.com [163.125.30.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA11483 for <aprssig@tapr.org>; Mon, 24 Jun 1996

Received: from gwyn.paccomm.com by paccomm.com with smtp

Received: by gwyn.paccomm.com with Microsoft Mail

Message-ID: <01BB61FB.EEA1FE60@gwyn.paccomm.com>

To: "'aprssig@tapr.org'" <aprssig@tapr.org>

Date: Mon, 24 Jun 1996 18:35:32 -0400

X-MS-Attachment: WINMAIL.DAT 0 00-00-1980 00:00

Christenson[SMTP:christen@codger.physics.duq.edu] wrote:

>Somewhere, buried deep in some menu, is a button that selects if the RTF version

```
>program, not an internet mailer program, this defaults to "on", so the
visual
```

```
>fruit salad of mixed fonts, underlines, italics, and what all else is not
lost
```

```
>when sending it to your co-worker across the hall.
```

I am replying to this message using MS Exchange. I suspect it will have an attachment.

I've checked the Rich Text and MIME boxes off (many times) and there are only attachments when I reply to a message, not when I originate one.

I even downloaded "Preventing WINMAIL.DAT sent to Internet Users" and "Preventing Winmail.dat from being sent over IMC from the MS Knowledge Base (accessed via the MS web site). Both those documents say to turn RTF and MIME off, but it seems that isn't enough.....

I've downloaded Eudora and will use it as soon as I figure out how to move my multiple megabytes of saved messages out of Exchange where I can access them.

I'd really like to use Exchange if only some bright soul could provide the magic menu instructions.

Gwyn

```
begin 600 WINMAIL.DAT
```

```

M>)\^(B,6 0:0" $ ' ' ! ' $ ' 0>0!@ ( ' ' Y 0 ' ' #H ' $-@ 0 '
M'@ ' ' ( ' @ !! ) & ' P! ' ' ' # ' ' , ' # # ' ' "P ' /#@ ' ' ? \ /
M'0 ' ' #\ ' ' @2L?I+ZC$!F=;@#=' 0]4 @ ' ' !A<' )S<VEG0'1A<' (N
M;W)G %-5% ' 87!R<W-I9T!T87!R+F]R9P ' ' @ " , $ ' ' % ' ' 4TU44 '
M' ' > ' ' P'0 ' ' ! $ ' ' !A<' )S<VEG0'1A<' (N;W)G ' ' ' %0P! ' ' P#^

```

M#P8`>`\$P`0`! ,`G87!R<W-I9T!T87!R+F]R9R<`(!"S !`
M%@`%-5% Z05!24U-)1T!405!2+D]21P` ,`#D`"P! .@\$`
M`?8/`0`0`#\$RX!"(!@`!)4\$TN36EC<F]S;V9T(\$UA:6PN
M3F]T90`Q" \$@\$`2@`%)%.B!;05!24U-)1SHR,S4S72!293H@2&]W('10
M(&UA:V4@35,@17AC:&%N9V4@<F5P;'D@=&\@05!24U-)1R!C;W)R96-T;'D`
M:Q<!!8 #`X`#;!P8`&`2`",`(!`\$<`2`" `P`.``S <&`!@`\$@`<
M`!T`0`]`0\$)@\$`0`#(X144S,3<X1#5#1\$-&,3\$X,\$0S,# T,# U,CE"
M0T0W`"4`0.0!@!`!@`\$@`L` (P`P`F`+`"D` ,`
M-@`0`Y`"Z.G0=8KL!'@!P`\$`!`*`4D4Z(%M!4%)34TE'.C(S
M-3-=(%)E.B!;(W<@=&\@;6%K92!-4R!%>&-H86YG92!R97!L>2!T;R!!4%)3
M4TE'(&-O<G)E8W1L>0`(!<0`!`%@`&[8AUT,W@Q[BG-U1'/@- ,`
M0 4IO-<`!X`@P!`!0`%--5% ``@`?# \$`1`9W=Y;D!P
M86-C;VUM+F-O;0`#`80K340,0,`!Q 1! ``@`(\$ \$`!E`3TY-
M3TY\$05DL2E5.13(T+#\$Y.38Q,CHS-E!-+%!54Q#2%))4U1%3E-/3E--5% Z
M0TA225-414Y 0T]\$1T524\$A94TE#4T15445\$55=23U1%.E1(15-/55)#14]&
M5%A4%)/0@`"0D0`0` ,\ \$`#+! ``Y0<`\$Q:1G7KQ[Z<_P`*`0`\
M%0*H!>L"@P!0`0() `@!C: K <V5T,C<&` ;#`H,R`4`"!R0G\$1XG-T96T"
M@S,W`N0`\$P*#-!+,#]F-;L2S!3%?0J " ,\)V3L9KP@Q,C@:SV4R-34/`H *
M@0VQ"V!N9S\$P7C,44 L*\$W(,`6,2H" *3P.@30(@9&%Y+ `@2G5N92 R-"\$@
M<# \$Y.38A\$#(Z\$C,A4%)-(!0875Y`R!# : 40\$`\$`@ (@6V!33510.A%P(H1
MB06@9<\$D"YP:!.P`&EC<RYD=7\$N80F =5T@=P-@\$] Z_0J%/@M&%6(?<P!0
M\$U EH7)C!4!4:"# (N (<&/A(!09B!T*\$GD0)@+1/@(0`*.%A!4!%>.\1
M<1X`*# \$)\&0IPBF`Z!Y*/)F:1&@!4 +42B0+KP@ (J`'M\F7R=I4P-P+P?0
M*` 9L"!P8@AR9""Y#;!E<"MB(N `@` '@.QN=2!P*;%A,,\$"0 (@?RG4\$; I
M<"?@!" &D"CC40!41B!V!) `D# ,!+,^O+=\N[R?A`_!L`R!B*J/;!4 %L6XE
MH"R14PN *)%_*C<ILO> `` %0#P.-)UJQ&P,2!A,H)W!;!K"<#_& Q< #
M`Q\$U/S9/-U\GX?,GD0G 86T@<#F1,I #H/\+@!/0!* 1P#T#!)! N"CP7RFQ
M#;\$B(3/1.W\$B`B BUR!P(N HXW8\$`4`0#U?SSYO/W\GT@-0=6DS80= QF\$Q
M("C!;6EX,1\$"\$NYS(' @H 2!; N !Y R4?!\D\$LO), @< !P,2 P8"H!_P=
M`R SD!&P*:)!4AE +!`_1:]&OT?/.&(H(#&A*M\$+@%9G2W\$[8GD(82 %H"W_
M/')"D0#0`V \$2CR\$8 XL-XN"H?#%1U5'5),I ID/L9L M0>5'B.W%#4P>!
M26#_I\$[T`B!>\$J-BR05T!%4/QS<"?223\$XDQ& -+!!@K\J` `&0\$7 R\$3FP
M5FTG6Y&_7 %D%,P,2 T,R2P:"@`#&5X07(Q(\$U)346],,!02A \$("C *- H
M`X`V>2C@!W(I3 ,H\1FP,I#_8:\$"(%? 6^D\$(%%35T!7DS\[8C*06*5!-&,E
M!;!I9]\+@`H`8?(L@%9N932P`Z!H9&]W8B!029 Q\$2(>4!FP9W%P%'Q5TE.
M`\$U!24PN1\$%4:SD\$.W%)0=95\$; 1H+_3 -H:PN /1(DX"H!`U(XT<]1XCD4
M-+%7,\$U#;10H\4%4X4LYD`<I<"0A(\$+[/ " @P"@`T"B0!! Q\$44P8S*0;P5W
M96(H0\$DP9?HI+)!):!>P"CP3; @P+EGL&-U8L1)8&/3= AP_P.@-')?-V A
M,+):TQ&P\$^!S*<4\$`&XG!4)\ A@9SQH+G=R7*]R\F?7177_9[!!`\$P\$.*([
MT5(2/"\$BX.\S`3PA5T KX&<(<"BA=:%?<L `X#MQ!&!;D6U@H&V00^\$%("EP
M,@%G`!Y\$]#_8))432P,2!8I6 !=:\$HP?<J-S!C5S%C6\)P@RL3=[__,2 9
ML\$RA8*!+\$%,P.V)ZHJ\Z6"C08A,QPV)ED6@S8?\(8 ,@!: B,#\$@)Y%%, VP
M]RCC`,!EL&R`RMA\$!)!\$!\GX#3Q)-!4=4WF1W=Y%FY4=1C1` (M ``,\$!`
M`P`1\$ ``! ``<P8)?A=QQBNP% ``@P8)?A=QQBNP\$>`#T`0`4`
,``!213H@` .[_
,

end

From knupke@babbarage.csee.usf.edu Mon Jun 24 18:11:00 1996

Received: from babbarage.csee.usf.edu (root@babbarage.csee.usf.edu [131.247.1.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA12932 for <aprssig@tapr.org>; Mon, 24
Jun 1996 18:10:59 -0500 (CDT)

Received: from babbarage (babbarage [131.247.1.2]) by babbarage.csee.usf.edu

(8.6.11/8.6.11) with SMTP id SAA27471; Mon, 24 Jun 1996 18:59:47 -0400
Date: Mon, 24 Jun 1996 18:59:46 -0400 (EDT)
From: "Paul E. Knupke Jr. (KR4YL)" <knupke@babbage.csee.usf.edu>
X-Sender: knupke@babbage
To: Dr Samuel Guccione <sguccion@outland.dtcc.edu>
cc: aprssig@tapr.org
Subject: Re: [APRSSIG:2339] Shuttle
In-Reply-To: <Pine.SV4.3.91.960624092724.20241A@outland.dtcc.edu>
Message-ID: <Pine.GS0.3.93.960624185922.27256B-100000@babbage>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 24 Jun 1996, Dr Samuel Guccione wrote:

> Anyone hear the shuttle this past field day weekend. Unless we had bad
> keps, not a peep from them on Saturday and especially Sunday. There was
> an 82 degree pass over our location at about 1:00 pm.

Our crew in Largo (W4GAC 6A SFL) listened each pass and heard nothing.

Paul

Paul Knupke, Jr. / Pinellas County ARES Asst. EC
knupke@babbage.csee.usf.edu / Pinellas County Skywarn
Largo, FL USA / Fidonet 1:3603/570
Amateur Radio Callsign: KR4YL / Florida Contest Group Member

From quarry@q.continuum.net Mon Jun 24 18:32:01 1996
Received: from q.continuum.net (q.continuum.net [199.0.52.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id SAA13593 for <aprssig@tapr.org>; Mon, 24 Jun 1996
18:32:00 -0500 (CDT)
Received: from [199.0.52.89] (cd-40.continuum.net [199.0.52.89]) by
q.continuum.net (8.6.12/8.6.12) with SMTP id TAA08672 for <aprssig@tapr.org>; Mon,
24 Jun 1996 19:37:12 -0400
Message-Id: <v02140b01adf4d4908ec3@[199.0.52.85]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Jun 1996 19:31:57 -0400
To: aprssig@tapr.org
From: quarry@q.continuum.net (Chip)
Subject: Making a map by hand

Can someone send me the details of making a map by hand for (Mac/DOS)APRS?

We are having an even this weekend, and I'd like to make a little map. I
was thinking I'd drive the course and flag all the major points (ie
checkpoints) as well as any major turns and then make a little map.
Shouldn't need more then a hundred points tops for a rudimentary map.
Being able to put labels in would be a boon (ie for checkpoints and
intersections).

Thanks,

Chip Griffin - President of Thames River Apple Users Group (TRAUG)
BBS System Operator of The Quarry (860-889-6427)
- eMail to: quarry@q.continuum.net
my home page: http://q.continuum.net/~quarry/
TRAUG home page: http://q.continuum.net/~quarry/TRAUG.html

From largriff@onramp.net Mon Jun 24 19:42:22 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA16329 for <aprssig@tapr.org>; Mon, 24 Jun 1996 19:42:20 -0500 (CDT)
Received: from larry.onramp.net (lub15.onramp.net [199.1.172.143]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id TAA19459 for <aprssig@tapr.org>; Mon, 24 Jun 1996 19:42:18 -0500 (CDT)
Received: by larry.onramp.net with Microsoft Mail id <01BB6205.336D9A00@larry.onramp.net>; Mon, 24 Jun 1996 19:41:56 -0500
Message-ID: <01BB6205.336D9A00@larry.onramp.net>
From: Larry Griffin <largriff@onramp.net>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: RE: [APRSSIG:2353] Re: How to make MS Exchange reply to APRSSIG correctly
Date: Mon, 24 Jun 1996 19:39:02 -0500
Encoding: 30 TEXT, 47 UUENCODE
X-MS-Attachment: WINMAIL.DAT 0 00-00-1980 00:00

From: Paul Christenson[SMTP:christen@codger.physics.duq.edu]
Sent: Monday, June 24, 1996 11:36 AM

Larry Griffin wrote:

> David, I use MS Exchange too. There is a problem with using the Reply
> feature. The source of the problem is really with the APRSSIG remailer
not
> understanding what to do with RTF characters and converting them to
> attachments.

The listserver does not attach anything. The attachment is made by the
original
mailer, M\$ Exchange.

Then why is there no attachment if you send me email and I reply to you?

The source of the problem is that Exchange sends them in the first place.
Somewhere, buried deep in some menu, is a button that selects if the RTF
version
will be sent or not

Okay, I followed the expert advice and turned off MIME encoding in my Tools
> Services > Internet Mail > Message Format. Let's see if it works...

Sorry to have wasted yet more bandwidth!

Larry

From quarry@q.continuum.net Mon Jun 24 20:49:46 1996
Received: from q.continuum.net (q.continuum.net [199.0.52.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id UAA18765 for <aprssig@tapr.org>; Mon, 24 Jun 1996

20:49:44 -0500 (CDT)
Received: from [199.0.52.89] (cd-53.continuum.net [199.0.52.131]) by
q.continuum.net (8.6.12/8.6.12) with SMTP id VAA15720 for <aprssig@tapr.org>; Mon,
24 Jun 1996 21:54:54 -0400
Message-Id: <v02140b04adf4f4f320eb@[199.0.52.89]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Jun 1996 21:49:39 -0400
To: aprssig@tapr.org
From: quarry@q.continuum.net (Chip)
Subject: Re:[APRSSIG:2308] Re: email overload...

At 0:42 6/23/96, you wrote:

> >**** PLEASE, can someone (Keith? Greg?) make the remailer NOT fill in the
> >SIG address for the replies automatically? ****
>
> I say oh please, oh PLEASE! this would be VERY helpful. Saves on waisted
> mail and embaessments.

Except that most replies will be intended for the whole group ... hence
the desire to have that the "reply-to" location. More sophisticated
email software allows you to choose between the two or even send to both.
On the other hand Windows and Mac users can cut and paste the address
from the original.

Chip Griffin - President of Thames River Apple Users Group (TRAUG)
BBS System Operator of The Quarry (860-889-6427)
- eMail to: quarry@q.continuum.net
my home page: <http://q.continuum.net/~quarry/>
TRAUG home page: <http://q.continuum.net/~quarry/TRAUG.html>

From gerry@cs.tamu.edu Mon Jun 24 22:32:33 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id WAA22686 for <aprssig@tapr.org>; Mon, 24 Jun 1996
22:32:32 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by
cs.tamu.edu (8.6.10/8.6.4) with ESMTP id WAA06798 for <aprssig@tapr.org>; Mon, 24
Jun 1996 22:32:15 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id WAA05632 for
aprssig@tapr.org; Mon, 24 Jun 1996 22:30:55 -0500
Message-Id: <199606250330.WAA05632@solar.cs.tamu.edu>
Subject: STS-78 element set JSC-907 (24-Jun-96) (fwd)
To: aprssig@tapr.org
Date: Mon, 24 Jun 1996 22:30:54 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Date: Mon, 24 Jun 1996 17:33:30 -0500
> Subject: STS-78 element set JSC-907 (24-Jun-96)
>
>
>
> STS-78
> 1 23931U 96036A 96176.85343852 .00109680 00000-0 19324-3 0 9074
> 2 23931 39.0166 341.6067 0007272 301.9883 58.0388 16.01507315 698
>
> Satelllite: STS-78
> Catalog number: 23931
> Epoch time: 96176.85343852 = yrday.fracday
> Element set: 907
> Inclination: 39.0166 deg
> RA of node: 341.6067 deg
> Eccentricity: .0007272
> Arg of perigee: 301.9883 deg
> Mean anomaly: 58.0388 deg
> Mean motion: 16.01507315 rev/day
> Decay rate: 1.09680E-03 rev/day^2
> Epoch rev: 69
> Checksum: 325
>
>
> Gil Carman
>
>
>

--

Gerry Creager N5JXS * SAREX Co-Investigator
gerry@cs.tamu.edu * A little radio that lets kids talk
* to astronauts, and smile

From kene@fs.loral.com Mon Jun 24 22:33:15 1996

Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA22795 for <aprssig@tapr.org>; Mon, 24 Jun 1996 22:33:07 -0500 (CDT)

Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id WAA06727; Mon, 24 Jun 1996 22:30:52 -0500

Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id WAA05606; Mon, 24 Jun 1996 22:29:31 -0500

Received: from amsat.org (amsat.org [128.54.16.15]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id QAA00501 for <gerry@cs.tamu.edu>; Mon, 24 Jun 1996 16:48:44 -0500

Received: (daemon@localhost) by amsat.org (8.7.5/8.6.9) id MAA12935 for sarex-list; Mon, 24 Jun 1996 12:34:41 -0700 (PDT)

Errors-To: owner-sarex@amsat.org

Sender: gerry@cs.tamu.edu

Precedence: List

Received: from fs.loral.com (medusa.fs.loral.com [158.186.88.2]) by amsat.org (8.7.5/8.6.9) with SMTP id MAA12921 for <sarex@amsat.org>; Mon, 24 Jun 1996

12:34:34 -0700 (PDT)
Received: from kevin by fs.loral.com with smtp
(Smail3.1.29.1 #8) id m0uYHOT-003E3QC; Mon, 24 Jun 96 15:33 EDT
Message-Id: <m0uYHOT-003E3QC@fs.loral.com>
X-Sender: kene@fs.loral.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 24 Jun 1996 15:37:21 -0400
To: grcc@ams.gsfc.nasa.gov, ststle@spacelink.msfc.nasa.gov, sarex@amsat.org,
shuttle.keps@totrbbs.atl.ga.us, slnews@spacelink.msfc.nasa.gov,
lundyjd@fafb.af.mil
From: kene@fs.loral.com (Ken Ernandes)
Subject: STS-78 Rev 67 Orbital Data

S T S - 7 8 O R B I T A L D A T A

Below is the rev 67 State Vector and Keplerian Elements for STS-78.
The vector data comes from NASA; the orbital parameters were computed
from the vector. Hourly vector updates are available from NASA GSFC
OIG RAID RBBS at (301) 262-6782 or by telnet: oig1.gsfc.nasa.gov
(UserID = oig / Password = goddard1).

Vector format = 117
Satellite Name: STS-78
Catalog Number: 23931 96036A
Epoch Date/Time: 96176.75203356482
06/24/1996 18:02:55.700 UTC
EFG E: 9771394 ft
F: -16869114 ft
G: 9784045 ft
Edot: 20712.39 ft/s
Fdot: 5474.57 ft/s
Gdot: -11217.76 ft/s
ndot/2 (drag): 0.00013996803 rev/day^2
nddt/6: 8.16003E-10 rev/day^3
Bstar: 2.37010E-05 1/Earth Radii
Elset #: 15
Rev @ Epoch: 67.37361629105

Launch was 20-JUN-96 / 14:49:00.093

The following Keplerian elements were computed by VEC2TLE from this
vector using a 0.25 drag multiplier:

STS-78
1 23931U 96036A 96176.75203356 .00013997 81600-9 23701-4 0 151
2 23931 39.0168 342.2858 0007440 300.2609 194.2405 16.01540739 678

Satellite: STS-78
Catalog number: 23931
Epoch time: 96176.75203356

Element set: 15
Inclination: 39.0168 deg
RA of node: 342.2858 deg
Eccentricity: 0.0007440
Arg of perigee: 300.2609 deg
Mean anomaly: 194.2405 deg
Mean motion: 16.01540739 rev/day
Decay rate: 1.39968e-04 rev/day^2
Epoch rev: 67
Checksum: 311

VEC2TLE may be downloaded from:
[ftp.amsat.org /amsat/software/PC/util](ftp://amsat.org/amsat/software/PC/util)

Ken Ernandes
n2wwd@amsat.org

From w4wwq@juno.com Mon Jun 24 22:43:03 1996
Received: from x3.boston.juno.com (x3.boston.juno.com [205.231.100.22]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id WAA23290 for <aprssig@tapr.org>; Mon, 24
Jun 1996 22:43:00 -0500 (CDT)
Received: (from w4wwq@juno.com) by x3.boston.juno.com (queuemail)
id XAB12889; Mon, 24 Jun 1996 23:42:25 EDT
To: aprssig@tapr.org
Date: Mon, 24 Jun 1996 23:18:50 PST
Subject: Re: Email Overload revisited
Message-ID: <19960624.234023.8015.1.W4WWQ@juno.com>
References: <31CE13A7.7C1B@codger.physics.duq.edu>
X-Mailer: Juno 1.00
X-Juno-Line-Breaks: 1-2,5-21
From: w4wwq@juno.com (Peter J Lascell)

I second the need for making the senders address the automatic reply
address, rather than APRSSIG.

Paul's guess at 50 % reduction is realistic. I have seen it reduced on
other ListServers. You don't loose quality, but the quantity of useless
postings that attribute nothing to the SIG.

Pete W4WWQ

=====

On Sun, 23 Jun 1996 23:07:27 -0500 (CDT) Paul Christenson

....."snip"....

>

>Personally, I think that the volume of this list would go down by half
>if the
>list address is not the default reply address. Aside from not getting
>the
>direct replies (which others silently benefit from), others are less
>likely to
>put their two cents in when it "costs three cents" (the effort of
>typing in the

>list address).

From bruninga@nadm.navy.mil Mon Jun 24 22:50:17 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA23732 for <aprssig@tapr.org>; Mon, 24 Jun 1996 22:50:14 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id XAA14953; Mon, 24 Jun 1996 23:51:10 -0400
Date: Mon, 24 Jun 1996 23:51:10 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2359] Making a map by hand
In-Reply-To: <v02140b01adf4d4908ec3@[199.0.52.85]>
Message-ID: <Pine.SUN.3.91.960624235015.14611L-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 24 Jun 1996, Chip wrote:

> Can someone send me the details of making a map by hand for (Mac/DOS)APRS?

APRSDos REPLY COMMENT: Read README\MAPS-HST.txt and MAPMAKIN.txt and MAPS.txt

de wb4apr@amsat.org

From sdimse@bridge.net Mon Jun 24 23:36:54 1996
Received: from relay3.UU.NET (relay3.UU.NET [192.48.96.8]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id XAA25648 for <aprssig@tapr.org>; Mon, 24 Jun 1996 23:36:48 -0500 (CDT)
Received: from bridge.net by relay3.UU.NET with ESMTP
 (peer crosschecked as: newworld.bridge.net [204.253.4.4])
 id QQavos11678; Tue, 25 Jun 1996 00:36:45 -0400 (EDT)
Received: from [204.253.4.101] (ppp-mia3-101.bridge.net [204.253.4.101]) by bridge.net (8.7.5/8.7.3) with SMTP id AAA06308 for <aprssig@tapr.org>; Tue, 25 Jun 1996 00:34:00 -0400 (EDT)
Message-Id: <199606250434.AAA06308@bridge.net>
Subject: Re: [APRSSIG:2358] Re: Shuttle
Date: Tue, 25 Jun 96 00:36:51 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>Our crew in Largo (W4GAC 6A SFL) listened each pass and heard nothing.

>

You did something wrong then. We heard them in the Keys abt 3PM. We heard them calling for contacts, but did not respond to anyone. Since there were several thousand people listening for them, I'd guess either the QRM was too great to hear anyone or (more likely) they had something set incorrectly. We tried all 5 uplinks and even simplex with no joy.

Steve K04HD

Austin

If you have any good maps that cover this route that you can send me (lansing@acadlp.com), I'd be most appreciative. Ditto on maplists.

A cursory inspection revealed I could use at least the following maps I've had trouble finding on the tapr ftp site:

IAILINMO.map
NYstate.map
NYNORTH.MAP
Montreal.map
ARLRock.map
TXDallas.map

Anyway, I hope to see your beacons along the route to keep me awake!

Thanks!

Lansing, KK5VK

+-----+
| L P A | Lansing Pugh KK5VK
+-----+ lansing@acadlp.com http://www.acadlp.com
Austin, Texas 800 766-4666 fax:512 441-3393

From schiers@ames.net Tue Jun 25 06:47:10 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id GAA13584 for <aprssig@tapr.org>; Tue, 25 Jun 1996
06:47:09 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606251147.GAA13584@tapr.org>
Received: from [206.29.126.237] by ames.net id 35ce0.wrk; Tue, 25 Jun 1996
06:46:30 -0600
Date: Tue, 25 Jun 96 06:44:39 -0500
To: aprssig@tapr.org
Subject: TAPR 1.1.9 Firmware has GPS
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.03

I got strictly negative replies regarding GPS support in TAPR's TNC2 firmware when I posted the question a week or two ago.

As it turns out, there is NMEA support in ver 1.1.9 which is what they are selling as of now, at least. I haven't tried it yet...but the addendum to the manual clearly has several commands that specifically address using the tnc in stand alone gps tracking mode, with examples.

The proms are 15 bucks from TAPR. 73,

hasan schiers, NOAN--

schiers@ames.net

From schiers@ames.net Tue Jun 25 07:27:41 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA15039 for <aprssig@tapr.org>; Tue, 25 Jun 1996
07:27:38 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606251227.HAA15039@tapr.org>
Received: from [206.29.126.237] by ames.net id 3b5d0.wrk; Tue, 25 Jun 1996
07:27:00 -0600
Date: Tue, 25 Jun 96 07:26:22 -0500
To: aprssig@tapr.org
Subject: Exiting TAPR GPS mode?
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.04

Now that I have discovered that the 1.1.9 firmware has NMEA support for
stand alone tracking (at least it sure looks like it), could someone tell
me how to exit that mode once entered? The manual addendum is about as
clear as mud. 73,

hasan schiers, NOAN--

schiers@ames.net

From Cardwell.H.Smith@SAS02.usace.army.mil Tue Jun 25 09:07:40 1996
Received: from eml01.usace.army.mil (eml01.usace.army.mil [140.194.233.22]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA18683 for <aprssig@tapr.org>; Tue, 25
Jun 1996 09:07:37 -0500 (CDT)
X400-Received: by /c=us/admd=attmail/prmd=gov+usace/; converted (IA5-Text);
Relayed; 25 Jun 1996 14:04:33 Z
X400-Received: by mta mtaeml01 in /c=us/admd=attmail/prmd=gov+usace/;
converted (IA5-Text); Relayed; 25 Jun 1996 14:04:33 Z
X400-MTS-Identifier: [/c=us/admd=attmail/prmd=gov+usace/; 06DA831CFF1F1006-
mtaeml01]
Content-Identifier: 06DA831CFF1F1006
Content-Return: Allowed
X400-Content-Type: P2-1988 (22)
Conversion: Allowed
Priority: non-urgent
Disclose-Recipients: Prohibited
Alternate-Recipient: Allowed
X400-Originator: Cardwell.H.Smith@SAS02.usace.army.mil
X400-Recipients: non-disclosure;
Message-Id:
<06DA831CFF1F1006*/c=us/admd=attmail/prmd=gov+usace/o=SAS02/ou=CESAS-EN-GG/
s=Smith/g=Cardwell/i=H/@MHS>
Date: 25 Jun 1996 14:04:33 Z
From: "Cardwell H Smith" <Cardwell.H.Smith@SAS02.usace.army.mil>
To: "aprssig@tapr.org" <aprssig@tapr.org> (Return requested) (Receipt notification
requested)
Return-Receipt-To: "Cardwell H Smith" <Cardwell.H.Smith@SAS02.usace.army.mil>

Subject: DXF to APRS Maps

MIME-Version: 1.0

Hello,

A while back I remember seeing a note on the availability of a conversion program to convert DXF files to APRS maps. Can anyone point me in the right direction?

Thanks,

Cardwell Smith, N4FOR

From bruninga@nadn.navy.mil Tue Jun 25 09:31:33 1996

Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA19399 for <aprssig@tapr.org>; Tue, 25 Jun 1996 09:31:32 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id KAA06961; Tue, 25 Jun 1996 10:32:23 -0400

Date: Tue, 25 Jun 1996 10:32:23 -0400 (EDT)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

cc: amsat-bb@amsat.org

Subject: APRS Sarex score card (2) (fwd)

Message-ID: <Pine.SUN.3.91.960624233023.14611E-100000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

So far, no one has reported hearing SAREX packets. A few voice contacts have been confirmed. If you haven't activated APRtrak yet, you haven't missed anything. So with 10 days or so to go, there is still lots of opportunity. Just bring up APRtrak and put it in SPACE mode to automatically plot the position of other APRtrak stations who successfully get a packet into W5RRR-1. The following logs what we have heard on the USA east coast and via Internet.

DAY	EDT	ZULU	COMMENTS
-----	-----	------	----------

-----	-----	-----	-----
-------	-------	-------	-------

21	1745	2145z	Voice K04HD Fl Keys
----	------	-------	---------------------

21		2238z	Voice Guiccone San Diego, and W5GEL Texas
----	--	-------	---

22	0915	1315z	nothing
----	------	-------	---------

22	1050	1450z	nothing
----	------	-------	---------

22	1224	1624z	nothing
----	------	-------	---------

22	1400	1800z	nothing
----	------	-------	---------

22	1530	1930z	nothing
----	------	-------	---------

23	0915	1315z	nothing
----	------	-------	---------

23	1050	1450z	nothing
----	------	-------	---------

23	1225	1625z	nothing
----	------	-------	---------

23	1405	1805z	nothing
----	------	-------	---------

23	1535	1935z	nothing
----	------	-------	---------

23		2110z	Voice heard in Calif
----	--	-------	----------------------

24	0740	1140z	nothing
----	------	-------	---------

24	0910	1310z	nothing
----	------	-------	---------

24	1045	1445z	nothing
----	------	-------	---------

24 1220 1620z nothing
24 1355 1755z voice reported in Texas
24 1530 1930z nothing
25 0735 1135z nothing
25 0905 1305z nothing
25 1045 1445z

I have a beta version of APRtrak 0.6. I need a few dedicated individuals who would like to beta test it. Please respond in private if you are interested...

de wb4apr@amsat.org

From 0004818186@mcimail.com Tue Jun 25 09:50:11 1996
Received: from gatekeeper.mcimail.com (gatekeeper.mcimail.com [192.147.45.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA20260 for <aprssig@tapr.org>; Tue, 25 Jun 1996 09:50:10 -0500 (CDT)
Received: from mailgate.mcimail.com (mailgate.mcimail.com [166.40.135.3]) by gatekeeper.mcimail.com (8.6.12/8.6.10) with SMTP id OAA26676; Tue, 25 Jun 1996 14:46:49 GMT
Received: from mcimail.com by mailgate.mcimail.com id aj06812;
25 Jun 96 14:49 WET
Date: Tue, 25 Jun 96 09:48 EST
From: Miami Network <0004818186@mcimail.com>
To: aprssig <aprssig@tapr.org>
Subject: Re: [APRSSIG:2279] Re: control of remote TNC ?
Message-Id: <52960625144825/0004818186NA4EM@MCIMAIL.COM>

Be careful when using the KPC-3 in remote. I changed the command that turns the TX off and then had to go to the site to enable it again because the unit would not respond anymore!

73, Seymour

From christen@codger.physics.duq.edu Tue Jun 25 10:04:17 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA20764 for <aprssig@tapr.org>; Tue, 25 Jun 1996 10:04:15 -0500 (CDT)
Received: from wm8.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA16775; Tue, 25 Jun 1996 11:01:01 -0400
Message-Id: <31CFF730.55E2@codger.physics.duq.edu>
Date: Tue, 25 Jun 1996 10:26:56 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
Mime-Version: 1.0

To: aprssig@tapr.org
Subject: Re: [APRSSIG:2368] TAPR 1.1.9 Firmware has GPS
References: <199606251147.GAA13584@tapr.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

schiers@ames.net wrote:

> As it turns out, there is NMEA support in ver 1.1.9 which is what they are
> selling as of now, at least.

> The proms are 15 bucks from TAPR.

Do they have the 1.1.9 ROM image anywhere? Last I looked, the latest they had
was the 1.1.8 ROMs for download.

With EPROMs and a burner available, I don't really care to pay the \$15.
(Which probably barely covers expenses at TAPR.)

From cdavidso@hemisphere.neocomm.net Tue Jun 25 11:17:07 1996
Received: from hemisphere.neocomm.net (root@hemisphere.neocomm.net
[205.160.234.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA23220 for
<aprssig@tapr.org>; Tue, 25 Jun 1996 11:17:05 -0500 (CDT)
Received: from Axton (ppp41.neocomm.net [205.160.234.41]) by
hemisphere.neocomm.net (8.6.11/8.6.9) with SMTP id MAA11262 for
<aprssig@tapr.org>; Tue, 25 Jun 1996 12:17:11 -0400
Message-Id: <199606251617.MAA11262@hemisphere.neocomm.net>
Comments: Authenticated sender is <cdavidso@hemisphere.neocomm.net>
From: "Charles W. Davidson" <cdavidso@hemisphere.neocomm.net>
Organization: Axton Acme
To: aprssig@tapr.org
Date: Tue, 25 Jun 1996 12:12:45 +0000
Subject: gps/mobile shows up as a Dot?
Reply-to: cdavidso@hemisphere.neocomm.net
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.01)

Help;

My GPS mobile shows up as a dot on APRS. Wb4pan-14 running aprs
on mobile. I added {k} to my <alt> B (beacon text) as the first 3
characters of btext. What am I missing here? I ran -9 once before and
showed up as a car. Anyone got anymore ideas?

chase

cdavidso@neocomm.net
<http://www.neocomm.net/~cdavidso/>
WB4PAN@WB4QOJ.VA.USA.NOAM

From marley@lu.lincoln.edu Tue Jun 25 11:34:14 1996
Received: from lu.lincoln.edu (lu.lincoln.edu [192.131.155.1]) by tapr.org

(8.7.5/8.7.3/1.9) with SMTP id LAA23977 for <aprssig@tapr.org>; Tue, 25 Jun 1996 11:34:11 -0500 (CDT)
Received: from groff.lincoln.edu ([192.131.155.80]) by lu.lincoln.edu with SMTP;
Tue, 25 Jun 1996 12:33:06 -0400 (EDT)
Message-ID: <marley.1186089934A@lu.lincoln.edu>
Date: Tue, 25 Jun 96 12:31:34 +0100
From: "Robert Marley" <marley@lu.lincoln.edu>
Subject: uarts
To: aprssig@tapr.org
X-Mailer: VersaTerm Link v1.1.3

I HAVE A 486 COMPUTER WITH THE FAST UART'S IN THE SERIAL PORT. I HAVE HEARD THAT YOU CAN TURN THEM OFF, OR CONTROL THEIR INPUT. COULD SOMEONE LET ME KNOW WHERE IN SETUP IT IS OR IS IT IN WINDOWS SETUP? I AM USING GARDOWN TO TRY TO TALK TO MY 45 AND I HAVE HEARD THIS IS THE PROBLEM WHY IT WILL NOT TRANSFER DATA.

73 de N30BQ
ROBERT MARLEY

From marley@lu.lincoln.edu Tue Jun 25 11:34:22 1996
Received: from lu.lincoln.edu (lu.lincoln.edu [192.131.155.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA23995 for <aprssig@tapr.org>; Tue, 25 Jun 1996 11:34:21 -0500 (CDT)
Received: from groff.lincoln.edu ([192.131.155.80]) by lu.lincoln.edu with SMTP;
Tue, 25 Jun 1996 12:33:16 -0400 (EDT)
Message-ID: <marley.1186089944B@lu.lincoln.edu>
Date: Tue, 25 Jun 96 12:31:44 +0100
From: "Robert Marley" <marley@lu.lincoln.edu>
Subject: uarts
To: aprssig@tapr.org
X-Mailer: VersaTerm Link v1.1.3

I HAVE A 486 COMPUTER WITH THE FAST UART'S IN THE SERIAL PORT. I HAVE HEARD THAT YOU CAN TURN THEM OFF, OR CONTROL THEIR INPUT. COULD SOMEONE LET ME KNOW WHERE IN SETUP IT IS OR IS IT IN WINDOWS SETUP? I AM USING GARDOWN TO TRY TO TALK TO MY 45 AND I HAVE HEARD THIS IS THE PROBLEM WHY IT WILL NOT TRANSFER DATA.

73 de N30BQ
ROBERT MARLEY

From bruninga@nadn.navy.mil Tue Jun 25 12:01:33 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA24783 for <aprssig@tapr.org>; Tue, 25 Jun 1996 12:01:32 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id NAA21224; Tue, 25 Jun 1996 13:02:27 -0400
Date: Tue, 25 Jun 1996 13:02:26 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2374] gps/mobile shows up as a Dot?
In-Reply-To: <199606251617.MAA11262@hemisphere.neocomm.net>

Message-ID: <Pine.SUN.3.91.960625125942.15771H@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 25 Jun 1996, Charles W. Davidson wrote:

> My GPS mobile shows up as a dot on APRS. Wb4pan-14 running aprs
> on mobile. I added {k} to my <alt> B (beacon text) as the first 3
> characters of btext. What am I missing here? I ran -9 once before and
> showed up as a car. Anyone got anymore ideas?

APRSDos REPLY COMMENT: You are not clear.

- 1) if its a stand-alone-tracker, then you put the {k} in the TNC Btext
- 2) If you are running APRS in the truck, then use the INPUT-MY command to tell APRS what symbol to use.

Do not use APRS to configure a stand-alone-tracker unless you use the OCT mode and disconnect the TNC before exiting the OCT screen. Otherwise APRS will change several of the TNC commands that you just set up!

de wb4apr@amsat.org

From barrettd@crpl.cedar-rapids.lib.ia.us Tue Jun 25 13:00:28 1996
Received: from CRPL.CEDAR-RAPIDS.LIB.IA.US (crpl.cedar-rapids.lib.ia.us [198.134.138.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA27319 for <aprssig@tapr.org>; Tue, 25 Jun 1996 13:00:24 -0500 (CDT)
Message-Id: <199606251800.NAA27319@tapr.org>
Received: from barrettd ([198.134.138.110]) by CRPL.CEDAR-RAPIDS.LIB.IA.US with SMTP;

Tue, 25 Jun 1996 12:58:09 -0500 (CDT)
X-Sender: barrettd@crpl.cedar-rapids.lib.ia.us (Unverified)
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 25 Jun 1996 13:01:04 -0500
To: aprssig@tapr.org
From: barrettd@crpl.cedar-rapids.lib.ia.us (David Barrett)
Subject: MicroSloth Ex-Change

First off thanks to everyone that responded; based on the variety of mailers everyone uses I found out a few items I will share, none of which includes a solution as of yet, but did garner a few sentences on my bug report sheet to Microsoft.

First off; what is being attached to the email is format data for exchange. When I reply to a message my reply is in a color different from the main message, that data get's sent in the winmail.dat attachment along with font selections, the to from header font format and other things that would only be of interest to other users of exchange. Yep you guessed it! Everyone else get's a bunch of crap.

Turning MIME off in the exchange setting only makes matters worse;

the dat file then gets sent as uuencoded and puts it at the end of the email. Yep you guessed it! Now everybody get's a bunch of crap.

There is no other option. Paul Christenson had the best reply, and I quote;"(Personally, I think that it's a M\$ plot to simply annoy the hell out of everyone that uses a competitor's product.)." It appears that the solution for now is NOT USE EXCHANGE; I see no way to shut off the use of RTF (rich text format)

in Exchange; none whatsoever, so I'm writting a little nastygram in my bug report and sending it off to gatesland.

My apologies to all for the garbage and my thanks for the feedback; and to those others using exchange, I loved your RTF it looked like internal mail here in the office, send me a spreadsheet or a picture file sometime (directly to me of course)

Tounge in cheek as always and embarrassed into using Eudora again.....

David E. Barrett
barrettd@crpl.cedar-rapids.lib.ia.us

If I can't give you a good sound reason
I'll give you a reason that sounds good

From bruninga@nadm.navy.mil Tue Jun 25 13:29:20 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA28361 for <aprssig@tapr.org>; Tue, 25 Jun 1996 13:29:18 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id OAA29958; Tue, 25 Jun 1996 14:30:16 -0400
Date: Tue, 25 Jun 1996 14:30:15 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Message-ID: <Pine.SUN.3.91.960625142459.27193H-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is an unconfirmed, unofficial report:

A station on the west coast chatted with the crew on voice and they indicated they would set up the PACKET SAREX "this evening". but also that they enjoyed working voice over the US.

Maybe we will be lucky and hear some packets tomorrow (the 26th.)

In the meantime, non-US stations may soon see some packet activity.

de wb4apr@amsat.org

From steve@muskoka.com Tue Jun 25 15:09:26 1996
Received: from gold.muskoka.com (root@gold.muskoka.com [204.101.78.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA02022 for <aprssig@tapr.org>; Tue, 25 Jun 1996 15:09:18 -0500 (CDT)
Received: from Psteve.muskoka.com (ppp01.muskoka.com [204.101.78.31]) by gold.muskoka.com (8.6.12/8.6.9) with SMTP id QAA02421 for <aprssig@tapr.org>; Tue,

25 Jun 1996 16:42:19 -0400
Message-Id: <1.5.4.32.19960625200838.00665478@muskoka.com>
X-Sender: steve@muskoka.com (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 25 Jun 1996 16:08:38 -0400
To: aprssig@tapr.org
From: steve <steve@muskoka.com>
Subject: SKYWARN

Hello All,

Is there anyone out there who is a member of SKYWARN that could get in touch with me at my e-mail address and not the sig, I would appreciate it. What I would like to know is how things are going with the use of APRS and WINAPRS for early warning and storm movement and the NWS..

I would like to make the use of APRS and WINAPRS available up here with our CANWARN group and our weather service ENVIRONMENT CANADA as we are tied directly to them. I need to know how you are setting up the program with NWS and how you are approaching them if at all.

I certainly would like to hear from anyone involved and maybe we could throw some ideas around...

Thanks in advance.....73

From lmkeeran@rs6000.cmp.ilstu.edu Tue Jun 25 15:35:15 1996
Received: from aix.nsyz.ilstu.edu (root@aix.nsyz.ilstu.edu [138.87.7.200]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA03232 for <aprssig@tapr.org>; Tue, 25 Jun 1996 15:35:12 -0500 (CDT)
Received: from i0517009.adm.ilstu.edu by aix.nsyz.ilstu.edu (AIX 3.2/UCB 5.64/4.03)

id AA22020; Tue, 25 Jun 1996 15:33:19 -0500
Message-Id: <v02120d04adf5fd39f732@[138.87.2.109]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 25 Jun 1996 15:35:09 -0500
To: aprssig@tapr.org
From: lmkeeran@rs6000.cmp.ilstu.edu (Larry Keeran)
Subject: Re: [APRSSIG:2371] APRS Sarex score card (2) (fwd)

on Date: Tue, 25 Jun 1996 09:49:42 -0500 (CDT)
Bob Bruninga said

>automatically plot the position of other APRtrak stations who successfully
>get a packet into W5RRR-1. The following logs what we have heard on the
>USA east coast and via Internet.

So, we should set our UNPROTO to W5RRR-1 ? Not W5RRR ?

EFG E: 16703435 ft
F: 11793648 ft
G: 7599524 ft
Edot: -7231.95 ft/s
Fdot: 18849.24 ft/s
Gdot: -13321.02 ft/s
ndot/2 (drag): 0.00056056077 rev/day^2
nddt/6: 1.30875E-08 rev/day^3
Bstar: 9.44626E-05 1/Earth Radii
Elset #: 16
Rev @ Epoch: 79.40652267579

Launch was 20-JUN-96 / 14:49:00.093

The following Keplerian elements were computed by VEC2TLE from this vector using a 1.0 drag multiplier:

STS-78

1	23931U	96036A	96177.50220602	.00056056	13088-7	94463-4	0	168
2	23931	39.0125	337.2535	0007372	303.6405	202.7072	16.01623851	797

Satellite: STS-78

Catalog number: 23931
Epoch time: 96177.50220602
Element set: 16
Inclination: 39.0125 deg
RA of node: 337.2535 deg
Eccentricity: 0.0007372
Arg of perigee: 303.6405 deg
Mean anomaly: 202.7072 deg
Mean motion: 16.01623851 rev/day
Decay rate: 5.60561e-04 rev/day^2
Epoch rev: 79
Checksum: 275

VEC2TLE may be downloaded from:
[ftp.amsat.org /amsat/software/PC/util](ftp://amsat.org/amsat/software/PC/util)

Ken Ernandes
n2wwd@amsat.org

From gerry@cs.tamu.edu Tue Jun 25 17:56:05 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA07451 for <aprssig@tapr.org>; Tue, 25 Jun 1996 17:56:04 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id RAA29492 for <aprssig@tapr.org>; Tue, 25 Jun 1996 17:55:49 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id RAA15619 for aprssig@tapr.org; Tue, 25 Jun 1996 17:54:28 -0500
Message-Id: <199606252254.RAA15619@solar.cs.tamu.edu>

Subject: STS-78 element set JSC-908 (25-Jun-96) (fwd)
To: aprssig@tapr.org
Date: Tue, 25 Jun 1996 17:54:27 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Date: Tue, 25 Jun 1996 13:57:01 -0500
> Subject: STS-78 element set JSC-908 (25-Jun-96)
>
>
>
> STS-78
> 1 23931U 96036A 96177.72623539 .00123886 00000-0 21789-3 0 9087
> 2 23931 39.0153 335.7547 0007216 305.2012 54.8291 16.01650296 830
>
> Satellite: STS-78
> Catalog number: 23931
> Epoch time: 96177.72623539 = yrday.fracday
> Element set: 908
> Inclination: 39.0153 deg
> RA of node: 335.7547 deg
> Eccentricity: .0007216
> Arg of perigee: 305.2012 deg
> Mean anomaly: 54.8291 deg
> Mean motion: 16.01650296 rev/day
> Decay rate: 1.23886E-03 rev/day^2
> Epoch rev: 83
> Checksum: 312

From gerry@cs.tamu.edu Tue Jun 25 17:58:34 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA07486 for <aprssig@tapr.org>; Tue, 25 Jun 1996 17:58:33 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id RAA29561 for <aprssig@tapr.org>; Tue, 25 Jun 1996 17:58:18 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id RAA15676 for aprssig@tapr.org; Tue, 25 Jun 1996 17:56:52 -0500
Message-Id: <199606252256.RAA15676@solar.cs.tamu.edu>
Subject: Re: [APRSSIG:2381] Re: APRS Sarex score card (2) (fwd)
To: aprssig@tapr.org
Date: Tue, 25 Jun 1996 17:56:49 -0500 (CDT)
In-Reply-To: <v02120d04adf5fd39f732@[138.87.2.109]> from "Larry Keeran" at Jun 25, 96 03:38:06 pm
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Larry Keeran sez:

>
> on Date: Tue, 25 Jun 1996 09:49:42 -0500 (CDT)
> Bob Bruninga said
>
> >automatically plot the position of other APRtrak stations who successfully
> >get a packet into W5RRR-1. The following logs what we have heard on the
> >USA east coast and via Internet.
>
> So, we should set our UNPROTO to W5RRR-1 ? Not W5RRR ?

Correct.

gerry

From ku0g@sprynet.com Tue Jun 25 22:33:22 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id WAA17264 for <aprssig@tapr.org>; Tue, 25 Jun 1996
22:33:20 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.142.45] (ad15-045.compuserve.com [199.174.142.45]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA26242 for <aprssig@tapr.org>; Tue,
25 Jun 1996 20:31:12 -0700
Date: Tue, 25 Jun 1996 20:31:12 -0700
Message-Id: <199606260331.UAA26242@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2374] gps/mobile shows up as a Dot?
To: aprssig@tapr.org
In-Reply-To: <199606251617.MAA11262@hemisphere.neocomm.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

Your error was putting the {k} in the Beacon of APRS! You put that into the
TNC's BTEXT as the first 3 characters. That's intended for stand-alone
trackers!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ku0g@sprynet.com Tue Jun 25 22:37:44 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id WAA17411 for <aprssig@tapr.org>; Tue, 25 Jun 1996
22:37:42 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.142.45] (ad15-045.compuserve.com [199.174.142.45]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA27317 for <aprssig@tapr.org>; Tue,
25 Jun 1996 20:35:33 -0700
Date: Tue, 25 Jun 1996 20:35:33 -0700
Message-Id: <199606260335.UAA27317@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Subject: Big VHF Band Opening!!!
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

It's going on right now as I write this!!! Seeing Minnesota via VHF WIDE paths here!

Just saw N0VXD over in Moberly, MO.
Also seeing KA9CFD in Illinois
KF0ZH in MN and all the Iowa boys!!!

Things are a-hoppin' tonight!!!!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ku0g@sprynet.com Tue Jun 25 22:44:33 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA17518 for <aprssig@tapr.org>; Tue, 25 Jun 1996 22:44:31 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.142.45] (ad15-045.compuserve.com [199.174.142.45]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA28960 for <aprssig@tapr.org>; Tue, 25 Jun 1996 20:42:24 -0700
Date: Tue, 25 Jun 1996 20:42:24 -0700
Message-Id: <199606260342.UAA28960@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: VHF Opening...
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

Just received one-liner from KF0ZH who says he's seeing N4NEQ (Ralph) on VHF, too...

WB0N00 in Hermitage, TN, just came across!
KC5JGV in Arkansas at 2241...
N5LED in Arkansas at 2243...
WD4CZDn in Tennessee at 2244...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From n8chb@tir.com Tue Jun 25 23:07:32 1996
Received: from tir.com (sun.tir.com [205.138.41.6]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id XAA18561 for <aprssig@tapr.org>; Tue, 25 Jun 1996 23:07:30 -0500 (CDT)
Received: from n8chb.tir.com (an13liv.tir.com [205.218.84.15]) by tir.com

(8.7.5/8.7) with SMTP id AAA11066 for <aprssig@tapr.org>; Wed, 26 Jun 1996 00:04:24 -0400 (EDT)
Message-ID: <31D0A95A.45DD@tir.com>
Date: Wed, 26 Jun 1996 04:07:06 +0100
From: N8CHB <n8chb@tir.com>
Reply-To: n8chb@tir.com
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2376] uarts
References: <marley.1186089944B@lu.lincoln.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Robert Marley wrote:

>
> I HAVE A 486 COMPUTER WITH THE FAST UART'S IN THE SERIAL PORT. I HAVE HEARD
> THAT YOU CAN TURN THEM OFF, OR CONTROL THEIR INPUT. COULD SOMEONE LET ME
> KNOW WHERE IN SETUP IT IS OR IS IT IN WINDOWS SETUP? I AM USING GARDOWN TO
> TRY TO TALK TO MY 45 AND I HAVE HEARD THIS IS THE PROBLEM WHY IT WILL NOT
> TRANSFER DATA.
>
> 73 de N3OBQ
> ROBERT MARLEY

Hello Robert,

3 things to try.

1. run MSD.com from dos prompt, type "c" or click on com Ports.
2. from win95
 - a. control panel
 - b. modems
 - c. properties
 - d. connections
 - e. port settings
 - f. un-check "use FIFO buffers"

3. Registry editor
 - a. My Computer
 - b. (c) or drive where win95 is
 - c. Win95 or whatever u call it
 - d. find Regedit and run it
 - c. optional - drag it to make a short cut

next

HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Class\Modem

warning: u will now hve total control of all windows settings
so be careful or don't be careful.

73

Roger N8CHB

From ku0g@sprynet.com Tue Jun 25 23:55:35 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA21777 for <aprssig@tapr.org>; Tue, 25 Jun 1996 23:55:33 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.142.45] (ad15-045.compuserve.com [199.174.142.45]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id VAA14602 for <aprssig@tapr.org>; Tue, 25 Jun 1996 21:53:24 -0700
Date: Tue, 25 Jun 1996 21:53:24 -0700
Message-Id: <199606260453.VAA14602@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: More on the VHF Opening...
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

At 2350 CDT posted WJ8T-2 (Sam Nabkey here on the Sig!)
At 2352 CDT posted WA4GKM-5 and KE4EER-5 digis!
At 2233, WB8EYJ...
At 2348, KQ4TV-9 (GPS Mobile)
At 2337, KE4ROC-5 and KE4ROC at 2339...
At 2252, N4NEQ-3
At 2349, WA2VOI-2 (WX station in MN)
At 2353, N0MNB in MN

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ke4eer@worldnet.att.net Wed Jun 26 04:32:04 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id EAA14723 for <aprssig@tapr.org>; Wed, 26 Jun 1996 04:32:03 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id JAA08435; Wed, 26 Jun 1996 09:31:30 GMT
Received: from 164.bridgeton-3.mo.dial-access.att.net(199.69.38.164) by mailhost.worldnet.att.net with SMTP id A8411; Wed Jun 26 09:31:16 1996
Message-ID: <31D11F7D.62A0@worldnet.att.net>
Date: Wed, 26 Jun 1996 04:31:09 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2387] VHF Opening...
References: <199606260342.UAA28960@m1.sprynet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ku0g@sprynet.com wrote:

>
> Just received one-liner from KF0ZH who says he's seeing N4NEQ (Ralph) on VHF,
> too...
>
> WB0N00 in Hermitage, TN, just came across!
> KC5JGV in Arkansas at 2241...
> N5LED in Arkansas at 2243...
> WD4CZDn in Tennessee at 2244...
>
> Best 73,
> Jim Duncan, KU0G
> APRS--Kansas City Coordinator
> EMail: ku0g@sprynet.com

Hi and i seen the following on my map last night..

N0INX
N0BKB-1 AND -3
N0GGU-1
N0ZKK
KU0G-15 AND -8
KB0LRA
NV00-15 GPS
N9PPJ-2
WB0QJB
N9LBG WX

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From ke4eer@worldnet.att.net Wed Jun 26 05:35:03 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA16492 for
<aprssig@tapr.org>; Wed, 26 Jun 1996 05:35:02 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id KAA20533; Wed, 26 Jun 1996 10:34:29 GMT
Received: from 43.dallas-1.tx.dial-access.att.net(199.69.132.43)
by mailhost.worldnet.att.net with SMTP
id A20501; Wed Jun 26 10:34:07 1996
Message-ID: <31D12E3C.79A9@worldnet.att.net>
Date: Wed, 26 Jun 1996 05:34:04 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: APRS
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Again there must be a band opening on VHF. Seen and acked a message to
N9SZI in IL that's a 323 mile trip. Also so far seen:

KB00AA
NN9LBG
N0BKB WX
N9PPJ-2
N0BKB WX

That's with my beams pointing NNW.

By the way are there any advantages to setting prime digi's to
WIDE,WIDE,WIDE. I have seen a lot of that lately here in the South East.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From ke4eer@worldnet.att.net Wed Jun 26 06:41:50 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA18286 for
<aprssig@tapr.org>; Wed, 26 Jun 1996 06:41:48 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id LAA22979; Wed, 26 Jun 1996 11:41:13 GMT
Received: from 45.dallas-1.tx.dial-access.att.net(199.69.132.45)
by mailhost.worldnet.att.net with SMTP
id A22954; Wed Jun 26 11:41:10 1996
Message-ID: <31D13DF2.48B7@worldnet.att.net>
Date: Wed, 26 Jun 1996 06:41:06 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: STS-78
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well it was running packet this morning when it passed over at 6:30:00
local time. I transmitted ans since i can't run both TX and RX with APRS
i just listened on 145.550. Wonder if anyone was watching?.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From jratchf@bulldog.afsc.k12.ar.us Wed Jun 26 07:15:52 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA19142 for <aprssig@tapr.org>; Wed, 26 Jun 1996
07:15:50 -0500 (CDT)
Received: from jratchf.bulldog.afsc.k12.ar.us (slip1.afsc.k12.ar.us
[170.211.157.175]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id HAA07914
for <aprssig@tapr.org>; Wed, 26 Jun 1996 07:15:41 -0500
Message-Id: <199606261215.HAA07914@bulldog.afsc.k12.ar.us>
From: "J. Scott Ratchford, KC5JGV" <jratchf@bulldog.afsc.k12.ar.us>
To: <aprssig@tapr.org>

Subject: Re: [APRSSIG:2390] Re: VHF Opening...
Date: Wed, 26 Jun 1996 06:50:55 -0500
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1085
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: William Nolle <ke4eer@worldnet.att.net>
> To: aprssig@tapr.org
> Subject: [APRSSIG:2390] Re: VHF Opening...
> Date: Wednesday, June 26, 1996 4:38 AM
>
> ku0g@sprynet.com wrote:
> >
> > Just received one-liner from KF0ZH who says he's seeing N4NEQ (Ralph)
on VHF,
> > too...
> >
> > WB0N00 in Hermitage, TN, just came across!
> > KC5JGV in Arkansas at 2241...
> > N5LED in Arkansas at 2243...
> > WD4CZDn in Tennessee at 2244...
> >
> > Best 73,
> > Jim Duncan, KU0G
> > APRS--Kansas City Coordinator
> > EMail: ku0g@sprynet.com
>
> Hi and i seen the following on my map last night..
>
> N0INX
> N0BKB-1 AND -3
> N0GGU-1
> N0ZKK
> KU0G-15 AND -8
> KB0LRA
> NV00-15 GPS
> N9PPJ-2
> WB0QJB
> N9LBG WX
>
> --
> Bill KE4EER
> ke4eer@worldnet.att.net
> ke4eer@amsat.org

I woke up this morn to three pages of (H)eard and two pages of
(P)ositions.

--

KC5JGV
Marshall, Arkansas

From schiers@ames.net Wed Jun 26 07:52:42 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id HAA20573 for <aprssig@tapr.org>; Wed, 26 Jun 1996
07:52:40 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606261252.HAA20573@tapr.org>
Received: from [206.29.126.237] by ames.net id 3e7c0.wrk; Wed, 26 Jun 1996
07:51:58 -0600
Date: Wed, 26 Jun 96 07:52:02 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2373] Re: TAPR 1.1.9 Firmware has GPS
In-Reply-To: <719732@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.04

In <719732@bbs.ames.net>, on 06/25/96 at 11:47 AM,
aprssig@tapr.org said:

>schiers@ames.net wrote:

>> As it turns out, there is NMEA support in ver 1.1.9 which is what they a
>> selling as of now, at least.

>> The proms are 15 bucks from TAPR.

>Do they have the 1.1.9 ROM image anywhere? Last I looked, the latest
>they had was the 1.1.8 ROMs for download.

>With EPROMs and a burner available, I don't really care to pay the \$15.
>(Which probably barely covers expenses at TAPR.)

No image yet....they have to make SOME money, or our dues go up.

73,

hasan schiers, NOAN--

schiers@ames.net

From n8chb@tir.com Wed Jun 26 07:54:56 1996
Received: from tir.com (sun.tir.com [205.138.41.6]) by tapr.org (8.7.5/8.7.3/1.9)
with ESMTP id HAA20591 for <aprssig@tapr.org>; Wed, 26 Jun 1996 07:54:55 -0500
(CDT)
Received: from n8chb.tir.com (an7liv.tir.com [205.218.84.9]) by tir.com
(8.7.5/8.7) with SMTP id IAA10133 for <aprssig@tapr.org>; Wed, 26 Jun 1996
08:51:55 -0400 (EDT)

Message-ID: <31D124FA.54CD@tir.com>
Date: Wed, 26 Jun 1996 12:54:34 +0100
From: N8CHB <n8chb@tir.com>
Reply-To: n8chb@tir.com
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: vhf openings
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I hve a 14 el horz yagi that can be set-up on aprs.
It's experimental home brew wit very narrow bandwidth.
Anyone interested in a test on vhf?
pls e-mail direct.

73

Roger n8chb@tir.com

From ku0g@sprynet.com Wed Jun 26 09:13:53 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA23288 for <aprssig@tapr.org>; Wed, 26 Jun 1996
09:13:51 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.135.19] (ad08-019.compuserve.com [199.174.135.19]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA10230 for <aprssig@tapr.org>; Wed,
26 Jun 1996 07:11:43 -0700
Date: Wed, 26 Jun 1996 07:11:43 -0700
Message-Id: <199606261411.HAA10230@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2390] Re: VHF Opening...
To: aprssig@tapr.org
In-Reply-To: <31D11F7D.62A0@worldnet.att.net>
X-Mailer: SPRY Mail Version: 04.00.06.21

>From what I can gather the band opening started here around 2100 and was still
going strong at 0100 when I my eyes finally got too heavy to stay open! I'll be
posting my backup logs later this a.m.

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ku0g@sprynet.com Wed Jun 26 09:17:25 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA23328 for <aprssig@tapr.org>; Wed, 26 Jun 1996
09:17:23 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.135.19] (ad08-019.compuserve.com [199.174.135.19]) by

m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA11047 for <aprssig@tapr.org>; Wed,
26 Jun 1996 07:15:16 -0700
Date: Wed, 26 Jun 1996 07:15:16 -0700
Message-Id: <199606261415.HAA11047@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2395] vhf openings
To: aprssig@tapr.org
In-Reply-To: <31D124FA.54CD@tir.com>
X-Mailer: SPRY Mail Version: 04.00.06.21

N8CHB: Your antenna is OBVIOUSLY working! I plotted you here in Kansas City
sometime after 0100 CDT during the big VHF opening last night!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ku0g@sprynet.com Wed Jun 26 09:20:49 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id JAA23644 for <aprssig@tapr.org>; Wed, 26 Jun 1996
09:20:45 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.135.19] (ad08-019.compuserve.com [199.174.135.19]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id HAA11977 for <aprssig@tapr.org>; Wed,
26 Jun 1996 07:18:31 -0700
Date: Wed, 26 Jun 1996 07:18:31 -0700
Message-Id: <199606261418.HAA11977@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: VHF Band Opening Last Night
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21
X-Spry-Attachment: BK260918.BK

Attached herewith is the backup file I made this morning at 0918 CDT.
Everything on this list was received on 145.79 MHz during last nights band
opening!

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

<---- Begin Attached File ---->

begin 644 BK260918.BK
M8RP@,S@N-S0Y-B`L(#DP+C\$Y,#\$S("P@-C0@#0IL+\$M5,\$<M."`@("`R,3(Q
M,C,@0#(Q,C\$R,R]!4%)3(#<N-F4@*&)E=&\$I(&]N(&QI;F4N#0IL+%=",\$Y/
M3RTQ,B`R-3(Q,C(@36%R:R=S(\$IE97`N+BY.87-H=FEL;&4L5\$X-"FPL04\$X
M4T8@("`@(#(U,C\$R-B!`,`C8P,C(V>E!(1S,Q.3`05VEN05!24R`@+3\$P,"T\

M-#P/\$@T*; "Q. ,%%60RTQ,2`@,C4R,3,Q(\$Y%5PT*; "Q. ,\$.6" `@(" `@,C8P
M.#,T(\$`R-3(Q,S5Z4\$A',#`P,"]7:6YD;W=S(\$)E=&\$@5F5R<VE0;B`M,#0R
M+3PU,C`^#0IL+\$M&- \$%*3RTQ(" `R-3(Q-3@@4\$A'-3,S,"]7241%+5)%3\$%9
M+D9I<W1F:6=H=&5R<R!5;FET960@3F%S:'9I;&QE#0IL+\$M1-%16+3D@(" `R
M-3(R,#,@3D57#0IL+\$M", \$U142`@(" `R-3(R,#0@3D57#0IL+%=-!-E)46" `@
M(" `R-3(R-38@0#(U,C(Q-"]02\$<W,38P+T)I;&P@+2!.96%R(\$QA;F5T="P@
M06P-"FPL3C!-3D@(" `@(#(U,C(Q-R!.,\$U.0B]2(%=)1\$401"!.,\$U.0BTQ
M+T(-"FPL2T(P3T%!(" `@(#(V,#`S.2!N,'9X9#H@07)E('=E(&AA=FEN9R!F
M=6X@>65T/PT*; "Q. .4Q"1R`@(" `@,C8P,3,S(\$`R,C\$T,#`03&%R<GDL(\$5D
M=V%R9'-V:6QL92P@=W=W+F5Z; "YC;VT0?FQM:6QL97(-"FPL3C!66\$0@(" `@
M(#(V,#(Q.2`_5U@_#0IL+%=" . \$592B`@(" `R-3(R,S,@+S(T,C\$R-R]02\$<U
M-C<P+U!A=6P@:6X@1F%I<F9I96QD(\$=L861E(%1.#0IL+\$XU5TI(" `@(" `R
M-3(R,S0@0#(U,#@T.2]\$879E(&EN(\$]L=F5Y+\$%R:V%N<V%S+@T*; "Q+1C!:
M2" `@(" `@,C8P,S0T(\$`P-C(P,#%Z+2T@5&AE(%1W:6X@0VET:65S(\$=A=&5W
M87D@=&\@,30U+C<Y," `M+0T*; "Q+0C!50D<@(" `@,C4R,C,V(\$`Q.3\$P,S(0
M05!24R`W+C9B(&]N(&QI;F4N#0IL+%=", \$Y/3R`@(" `R-3(S,S<@0#\$W,3DP
M,R]!4%)3(#<N-B`@(&4M;6%I;"P@;6%R:RYE;F1I8V]T=\$!N87-H=FEL;&4N
M8V]M#0IL+\$M#-4I`5B`@(" `R-3(R,SD@4&EN9R\$@*`1E<W0@<&MT(%9)02!+
M0S5*1U8M,3`L5TE\$12Q7241%*0T*; "Q. -4Q%1" `@(" `@,C4R,C0P(\$`R-3(R
M-#(03F5W57-E<@T*; "Q71#1#444@(" `@,C4R,C0P(\$`Q.3`T,C9Z2V5N+"!#
M<F]S<W9I;&QE+%1E;FYE<W-E90T*; "Q+,%!&6"TX(" `@,C4R,C0W(%!W<C8R
M-S`05TE\$12XN+D-H97-T97)F:65L9"P@34\-"FPL3C1114\$@(" `@(#(V,#\$S
M.2!`,`C4Q-C4T+TIO:&X@:6X@2VYO>'9I;&QE+"!43BX@(%4M,C`P,`T*; "Q7
M031`2TTM-2`@,C8P-3`P(%!(1S<S-C`05TE\$12U214Q!62`;6T0N+BY;;V-A
M=&5D(&]N(\$AI;F-H(\$UT(\$`@,S`Q,"!F=`T*; "Q.03!2+3D@(" `@,C8P-3(V
M(%=I;D%04E,-"FPL3C!:2TL@(" `@(#(U,C,Q,2!`,`3@R,C0W+T%04E,@-RXT
M92!0;B!L:6YE+@T*; "Q+0C!-1D8@(" `@,C8P.#`V(\$`R-3(Q-3<005!24R`W
M+C0@;VX@;&EN92X-"FPL2T(P55I1(" `@(#(V,#8R,B!`,`C4R,C4W+T%04E,@
M-RXV92`H8F5T82D@;VX@;&EN92X-"FPL2T(P4E5:(" `@(#(U,C,Q,2!`,`C8P
M-#P>E!(1S`P,#`05VEN05!24R`H3F]T(%)E9VES=&5R960I("TQ,#`M/#4S
M,#X-"FPL2T<P1%<@(" `@(#(V,#0S.2!`,`C`P.3\$Y+T%04E,@-RXV9"!0;BUL
M:6YE+@T*; "Q.5C!/(" `@(" `@,C8P-C4Y(\$`R,C`P,S\$005!24R`W+C9E("AB
M971A*2!0;B!L:6YE+@T*; "Q7,\$)84B`@(" `@,C8P,C`W(\$`R-#S-3<0-RXR
M8B!\$879E;G!0<G0@4F%D:6\@06UA=&5U<B!#;'5B("AC;'5B(' -T871I;VXI
M#0IL+%=-!,E9/22`@(" `R-C`P-30@0#(X,C\$U,7I?4\$A',S,U,"]214Q!62!3
M="Y!;G1H;VYY(%=8(%M%3C,U:F%=#0IL+%=*.%0M,B`@(" `R-3(S-#8@5THX
M5"TR+U(@5TE\$12]\$(\$140D)3+T(@3E,X5BTQ+TX-"FPL3CE04\$H@(" `@(#(V
M,#@S."!0=W(V-3DU+U=)1\$4N+BY%9`=A<F1S=FEL;&4L26P-"FPL2T0T44E!
M(" `@(#(U,C,U."!.15<-"FPL5T(W5D1.(" `@(#(V,#`T-2`O,C4Q-C0W+U!(
M1S8R.#@04D].>B!15\$@N+B`@05!24R!V-RXV9"XN#0IL+%<W3%53(" `@(" `R
M-C`Q,SD@(\$5A<W1E<FX@55-!(\$Y0<G1H("T@4V]U=&@@2\$8@1&EG:2X-"FPL
M3CE04\$HM,B`@(#(V,#@S,"!`,`38R,#(X+R!-87)T>2P@161W87)D<W9I;&QE
M+"!); "X@;6%R='ES0&5Z; "YC;VT-"FPL3C!15D,M,2`@(#(V,#8T,B!02\$<U
M-#8P+U=)1\$4M4D5,05D@:6X@1F%R:6)A=6QT+"!-3@T*; "Q. ,%%60R`@(" `@
M,C8P,3\$W(\$`P-#\$U,3@005!24R`W+C5C(&]N(&QI;F4N("A2:6-E(\$-0=6YT
M>2!3:WE787)N+T%215)4*0T*; "Q. , \$Q21B`@(" `@,C8P.#\$Y(\$`R-#\$Y,#00
M(%!A=6PL(\$]T=&%W82P@2U,N+BXW,R\$-"FPL5T0P1%A/(" `@(#(V,#8R-2!`
M,#<Q,#4Y+T%04E,@-RXR9"!0;B!L:6YE+@T*; "Q72CA4+3\$@(" `@,C8P,#,V
M(%!(1S,W,S`05TE\$12U214Q!62!"65)/3B!#14Y415(L(\$U)+@T*; "Q. .%9,
M3B`@(" `@,C8P,#,Y(\$XX5DQ.+U(@4D5,05D01"!..%9,3BTR+T(-"FPL3CE3
M6DD@(" `@(#(V,#,R-2!`,`C8P,3\$P+U!(1S(Q-#`03F5W57-E<@T*; "Q+.4]2
M4" `@(" `@,C8P,3`Q(\$`R-3(S-#`036%N=6%L(%=8(&5N=&5R960@5`5E<V1A
M>2!M:61N:6=H=`T*; "Q70C!12D@(" `@,C8P,3`T(\$`Q-3(S,#804G5S='DL

M(%-T+B!#:#&%R;&5S+"!-;RX-"FPL3CA#2\$(@("`@(#(V,#\$S,2!`,#DP-3`W
M+R!2;V=E<B`M(&XX8VAB0'1I<BYC;VT-"FPL2T(P5\$9%("`@(#(V,#(R,2!`
M,C8P,C(T+T%04E,@-RXV8B!0;B!L:6YE+@T*; "Q71#A%2D,@("`@,C8P,3\$X
M(\$`R-3`V-#404F%N9'D@,3@@5VAE96P@05!24PT*; "Q70CE414\$M,B`@,C8P
M,3\$Y(\$UA8V]M8B!2861A<@T*; "Q!0C1+3BTQ("`@,C8P,3\$Y("\$R-C`R,C`O
M5#`W,2]2,#`P+U`P,#`00C`Q-R](.34N-E]7>%-T;B`@-S,A#0IL+\$Y-,\$(@
M("`@("`R-C`Q,C,@240@4W1R:6YG#0IL+\$XT3D51+3,@("`R-C`U,#(@4\$A'
M-3DW,"]7241%+5)%3\$%9(\$%N9')E=W,@3D,@\$AI(\$MI<"\$-"FPL04(T2TXM
M,B`@(#(V,#\$S,R!0C1+3BTR+U(@4D5,05D01"!7241%+TX-"FPL2T\$P4D1%
M("`@(#(V,#\$S."!`,30Q.30X+T%04E,@-RXV(&N(&QI;F4N#0IL+\$%)-\$M.
M("`@("`R-C`Q,SD@04(T2TX04B!214Q!62]\$(\$=!5\$401R!&54)!4B].#0IL
M+\$XR0UI&("`@("`R-C`Q-#\$@0#(V,#<S-WI2:6-H(&XR8WIF0&UA9V<N;F5T
M(\$IU<&ET97(@1DP@1T%410T*; "Q7-4Y)("`@("`@,C8P.3`Y(\$`R-#\$Q-3(O
M05!24R`W+C1E(&N(&QI;F4N#0IL+%<6,%0M,3`@("`R-C`X,SD@0#`T,C,T
M-2]314E\$2U@("`@(\$%04E,@<C<N,F\$-"FPL3C!'1U4@("`@(#(V,#DP.2`O
M,C<Q.#\$S+U0P-C<04C`P,"]0,#8Q+U4M24DH875T;RD-"FPL2U4P1RTQ("`@
M(#(V,#\$U-2!+53!' +3\$04B!214Q!62]\$(\$=!5\$401R!!4%)32T,03@T*; "Q7
M,\$)84BTR("`@,C8P,C,T("\$R.3\$Y,S<04\$A'-S(S,"`@3E=3(\$Y%6%)!1"!S
M:71E(\$`@1&%V96YP;W)T#0IL+\$U#22`@("`@("`R-C`Y,34@2U4P1RTR(\$%0
M4E,M2T,@5U@4VET92![34-)?2`H52U)22!296U0=&4I(\$Y0(\$I9VDA#0IL
M+\$XT3D51("`@("`R-C`R-#(@0#(V,#,U-B]4,#8X+U(P,#`04#`P,"]5+4E)
M*&%U=&I#0IL+\$M",%-36B`@("`R-C`Y,#<@0#(V,#<T-"!]4%)3(#<N-F4@
M;VX@;&EN92X-"FPL2T4T1452+34@(#(V,#,P."!02\$<W-C8P+U=)1\$4@+2!2
M14Q!62`@2'5N=' -V:6QL90T*; "Q.,\$='52TQ("`@,C8P.#0R(%!W<C8S-3`O
M5TE\$12U214%,62`M(%<E<W0@;V8@1W)A:&%M+"!-;PT*; "Q+1#1\$3%0M-R`@
M,C8P-3`V(%!(1S4T.#,05TE\$12U214Q!62`@3&ET:&N:6\$@1V\$N#0IL+\$M%
M-\$5%4B`@("`R-C`U,#,@3D57#0IL+\$XP0DM("`@("`R-C`U,S4@0#(V,3`S
M,'I02\$<P,#`P+U=I;D%04E,@*)E9VES=&5R960I("TQ,#`M/#4R,#X-"FPL
M3C!"2T(M,2`@(#(V,#@P-2!0=W(U,S8P+U=)1\$4@1\$E'22!/3DQ9("T@0D5\$
M1D]21"P@24]700T*; "Q.,\$%.(("`@("`@,C8P-C,Y(\$`R-C\$Q-#)Z5#`V-2]2
M,#`04#`P,"]","#(P+T<P,#,O(%4M,C`P,"AA=710*0T*; "Q75C!4+3D@("`@
M,C8P-C0X(%<6,%0M.2]2(%<=)1\$401"!214Q!62].#0IL+\$XP3%)&+3D@("`R
M-C`W,S(@0#(U,#<T."`@3&ET=&QE(%E9"!&;W@@;VX@=&AE('!R;W=L+BXN
M#0IL+%<!,5!(62TS("`R-C`W,3@@1T%415=!62!;;S!-/T^,DU=(\$Y2(\$)/
M4U1/3B!7,45/0%<!,5!(62Y-00T*; "Q.-\$Y%42TR("`@,C8P.#,Q(%!(1S@T
M-C`05TE\$12U214Q!62!0;B!3=V5A="!-="X@36%R:65T=&\$@1T\$-"FPL3C!!
M3BTY("`@(#(V,#@T-B!.15<-"G`L2T,P0TP@("`@(#(U,3,U-2!`,C4Q,S4U
M+S,Y,#@N.#A.+S`Y-#S,C@U5R-02\$<W,CDP+T1)1TD@3DM#-SD@3DM#+\$U/
M#0IP+\$Y7-D@M."`@("`R-3\$T-38@0#(U,3DU-'HS-S(X+C4U3B`Q,3\$U,RXQ
M,U=J,3(P+S`R-2@3&EV90T*<"Q+53!' +3D@("`@,C4R,3,T("\$R-C`R,3AZ
M,SDQ-RXQ.\$X0,#DT,S`N-3E7/C`P,"`P-3D005!24R]G;V]D(%)-0R!&:7@0
M03TP,#`Y,3@-"G`L3E8P3RTQ-2`@(#(U,C,U,2`O,C8P-#4Q>C,X-#DN-#1.
M+S`Y-#(S+C`Q5W8R.3<0,#`P+W)A=RH09V]09"!234,@1FEX+T\$],#`P.#DS
M#0IP+\$XT3D51+3,@("`R-C`U,#(@2HJ*BHJ*B\S-3\$U+C0V3B\P.#,T-RXW
M,%<C4\$A'-3DW,"]7241%+5)%3\$%9(\$%N9')E=W,@3D,@\$AI(\$MI#0IP+%<Q
M1U14("`@("`R-3\$Y-34@0#(U,C`U-2\T,3(R+CDS3B\P-S(Q,RXS-%<M+BXN
M+D5!4U0@3%E-12P@0U0@*BI!4%)3-S8J*0T*<"Q+0C!,4D\$@("`@,C4R,C4X
M(\$`R-#(R-3(O,SDQ,2XS-TXO,#DT,S,N-357>4A%3\$Q/(\$923TT@1TQ%3DX@
M2BX@24X@14TR.2Q++D,N+\$U/#0IP+\$M\$-%594B`@("`R-3\$Y,3\$@0#(U,C0Q
M,GHR-S4Q+C4T3B\P.#(T.2XS,E=?,C8Y+S`P,B]4,#@T+U(P,#`04#`P,"]"
M,#\$T+V1V<PT*<"Q7-TQ54R`@("`@,C8P,3,Y("\$J*BHJ*BHO,S0S,RXY,\$X0
M,#@S,S<N-S17(R!%87-T97)N(%5302!.;W)T:"`M(%-0=71H(\$A&(\$I9VDN
M#0IP+\$M%-)/0RTR("`R-3\$Y-#,@0#(V,#`T,WHS-#Y+C0S3B\P.#8S,RXY

M-U<^,3@T+S(Q+B]!4%)3+V=0;V0@4DU#(\$9I>"]!/3`P,#4Y,`T*<"Q.-%A7
M0R`@("`@,C8P,30U(\$`R-C`Q-#`O,S,U,BXS-4X0,#@V-3`N-3%77S,T-2\ P
M,#`05#`W,R]2,#`P+U`P,#\$00C`Q-B](,#`P+U4R80T* <"Q+4#1\$1\$(@("`@
M,C4R,#(R(\$`R-C`Q,C%Z,3@R,BXP.\$X0,#8V,#@N,3=77S`P." \P,#`05#`X
M-"]2,#`P+U`P,#`00C`Q-B](,#`P+U4R80T* <"Q+131%15(M-2`@,C8P,S`X
M("\$J*BHJ*BHO,S0S-2XY-DX0,#@V,\$\$N-CE7(U!(1S<V-C`05TE\$12`M(%)%
M3\$%9("!(=6YT<W9I;&QE#0IP+\$M%-)/0RTU("`R-C`P-#8@0#(V,#`T.2\ S
M-# ,Y+C`R3B\ P.#8S.2XW.5=? ,S0X+S`P,R]4,#<T+U(P,#`04#`P,"]",#(Q
M+T@P-SD01&%V#0IP+\$M%-)/0R`@("`R-C`P-#0@0#(V,#`T,B\ S-#0P+C,Q
M3B\ P.#8S,RXQ,U=? ,S,V+S`P,2]4,#<S+U(P,#`04#`P,"]",#(P+T@P-S(O
M53)A#0IP+\$XT2TU*+3<@("`R-3(R-#<@ (2HJ*BHJ*B\ S,S(Y+C\$P3B\ P.#4T
M."XU,U=R4\$A`-3<V,"]7241%+BY-="!#:&5A:&\$L(\$%L+BX@/@T* <"Q.-\$Y%
M42TR("`@,C8P.#,Q("\$J*BHJ*BHO,S0P-"XP, TX0,#@T,C<N,CE7(U!(1S@T
M-C`05TE\$12U214Q!62!0;B!3=V5A="!-="X@36%R:0T* <"Q.,\$%.+3D@("`@
M,C8P.#0V(" \R-C\$S-#9Z-# \$T,"XP, TX0,#DS,S0N-C)7/D='02].54P0<F%W
M*B]G;V]D(\$='02!&25@003TP,#\$P,S@-"G`L2T,T4\$A-("`@(#(U,C\$Q.2!`
M,C8P,S(T>C,S-#(N,S5.+S`X-C0T+C<U5RU02\$<U,C8P+TM#-%!(32]00500
M5\$%24D%.5"P@04PN#0IP+\$%!.%-%&("`@("`R-3(Q,C8@0#(V,#(R-GHT,3(W
M+CDP3B\ P.#\$R,BXT,U<F4\$A',S\$Y,"]7:6Y!4%)3("`M,3`P+3PT,3`^#0IP
M+\$XP459# +3\$Q("`R-3(Q,S(@+S(V,#(S,GHT-#\$X+C(T3B\ P.3,R-2XW,E=/
M1T= !+TY53"]R87<J+V=0;V0@1T= !(\$9)6`T* <"Q+1C1!2D\ M,2`@,C4R,34X
M("\$J*BHJ*BHO,S4U-"XU.\$X0,#@V-3,N.3!7(U!(1S4S,S`05TE\$12U214Q!
M62Y&:7-T9FEG:'1E<G,@56YI='T* <"Q+43145BTY("`@,C8P-3`P(" \R-C\$P
M,#!Z,S8Q,"XV,\$X0,#@V,S4N,C!7/D='02].54P0<F%W*B]G;V]D(\$='02!&
M25@003TP,#`P-#@-"G`L5T\$V4E18("`@(#(U,C(U-B!`,C4R,C4V+S,R-34N
M-C!+.S`X-3\$Q+C(P5U)02\$<W,38P+T)I;&P@+2!.96%R(\$QA;F5T="P@06P-
M"G`L2S!#42`@("`@(#(V,#0Q-2!`,#0R,C4R+S0R,#4N-S5.+S`Y,S,X+C@S
M5RU796%T:&5R(\$U0;FET;W(-"G`L3C!66\$0@("`@(#(V,#(S-"`O,C8P,C`S
M+S,Y,C4N-35.+S`Y,C4U+C@P5WE.97=5<V5R4ED@34\N#0IP+%= ". \$592B`@
M("`R-3(R,S,@+S(T,C\$R-R\ S-C`P+C,U3B\ P.#0U,RXR-U<M4\$A`-38W,"]0
M875L(&EN(\$9A:7)F:65L9"!';&%D92!43@T* <"Q70C!.3T\@("`@,C4R,C,X
M(\$`R-3(R,S40,S8P.2XX.\$X0,#@V,S0N-C57+4UA<FL@:6X@2&5R;6ET86=E
M+"!496YN97-S964-"G`L3C5,140@("`@(#(U,C(T,"!`,C4R,C0R+S,V,3,N
M-C%.+S`Y,C0P+C@V5RU.97=5<V5R#0IP+\$LP4\$98+3@@("`R-3(R-#<@ (2HJ
M*BHJ*B\ S.#,X+C<U3B\ P.3`S,"XV-5<C4`=R-C(W,"]7241%+BXN0VAE<W1E
M<F9I96QD+"!-3PT* <"Q.-%%02`@("`@,C8P,#0S(\$`R-C`Q-#00,S8P,BXX
M.4X0,#@S-34N-#!77S,U." \P,#`05#`V.2]2,#`P+U`P,#\$00C`Q-R](,#`P
M+U4R:PT* <"Q7031`2TTM-2`@,C8P-3`P("\$J*BHJ*BHO,S4T-BXU,4X0,#@T
M-3@N-#)7(U!(1S<S-C`05TE\$12U214Q!62`;6T0N+BY,;V-A=&5D(&]N#0IP
M+\$M", \$U&1B`@("`R-C`X,S4@0#(V,#<U," \S.3`R+C8Q3B\ P.30T,RXS,U<M
M3F5W57-E<@T* <"Q+0C!255H@("`@,C4R,\$\$Q(\$`R-C`T,3!Z-#\$T-"XU,\$X0
M,#DS,S<N,C!76E!(1S`P,#`05VEN05!24R`H3F]T(%)E9VES=&5R960I("TQ
M,`T* <"Q+0C!/04\$@("`@,C8P.3`S(\$`R-C\$T,#1Z,SDR,"XQ-DX0,#DR,C0N
M-#!7>5!(1S8Q.3805VEN05!24R`@+3\$P,"T\ -3(P/@T* <"Q70C=61\$X@("`@
M,C8P,#0U(" \R-3\$V-#<0,S0S-BXV,\$X0,#@V,S(N,C)7+U!(1S8R.#@04D].
M>B!15\$@N+B`@05!24R!V-RXV9"XN#0IP+\$Y6,\$\@("`@("`R-C`S,C4@0#(V
M,#(R-B\ S.#0Y+C0T3B\ P.30R,RXP,E<M0V%\$<R!#;RXL(\$U/#0IP+\$XY4%!*
M+3(@("`R-C`X,S`@0#`R,3,S," \S.#0X+C@V3B\ P.#DU-RXQ.%<M4\$A',S\$S
M," \S,"!-971E<BT^5DA&(\$=A=&4@*&]N92!W87DI#0IP+%=*. %0M,B`@("`R
M-C`P-3,@ (2HJ*BHJ*B\ T,C4X+C\$P3B\ P.#4S.2XU,%<C<&AG,S8P," \@1&]W
M;G10=VX@1&EG:7!E871E<B!`(\$)72`T* <"Q-0TD@("`@("`@,C8P.3\$U("\$J
M*BHJ*BHO,SDQ.2XW-4X0,#DT-#(N,#-77S`Y," \P,#`05#`W.2,P,#@P+U`N
M+BX052U)22AR96U0=&4I#0IP+\$M",%5:42`@("`R-C`V,C(@0#(V,#8R,R\ S

M.3(S+C0U3B\P.30S.2XT,5<^0FEL;"!I;B!T:&4@;6]B:6QE(0T*<"Q7-4Y)
M("`@("`@,C8P.#4U(\$`R-C`X-3(O,S@U-"XQ-DXO,#DT,3DN,357+4AE;&QO
M(&9R;VT@3&5E)W,@4W5M;6ET+"!-3PT*<"Q75C!4+3\$P("`@,C8P.3\$U(\$`P
M-#`Q-380,S@U-BXX-4XO,#DT,SDN,#17+5!(1S0S.#`00D)3(&]N(#\$T-2XP
M-2!0<B`C35-.0D(@3F]D90T*<"Q72CA4+3\$@("`@,C8P,#,V("\$J*BHJ*BHO
M-#(T-RXW.\$XO,#@U,S@N-#57(U!(1S,W,S`05TE\$12U214Q!62!"65)/3B!#
M14Y415(L(\$U)+@T*<"Q.,\$U.0B`@("`@,C8P,#0V("\$\R,S`R,SDO-#4Q,"XP
M-TXO,#DS,30N-3E7+5=)1\$4@*&UA;G5A;"D-"G`L3C!'1U4@("`@(#(V,#DP
M.2`O,C<Q.#\$S+S0P,#DN,#!.+S`Y-3`R+C4P5U\S,340,#`Y+U0P-C<04C`P
M,"]0,#8Q+U4M24DH875T;RD-"G`L3C!"2T@("`@(#(V,#<P,"!`,`C8Q,C`P
M>C0Q,C`N-3%.+S`Y-#5Y+C`S5U\R-#<O,#\$S+U0P-C<04C`P+U`P,#`01S`Q
M.2\@52U)22AA=70-"G`L3CE36DD@("`@(#(V,#,R-2!`,`C8P,S,S+S,X,S0N
M,C!+.S`X.34V+C<V5RU02\$<R,30P+TYE=U5S97(-"G`L3C!"2T(M,R`@(#(V
M,#4U-"`A*BHJ*BHJ+S0Q,#\$N.3%.+S`Y-3\$P+C\$Q5R-0=W(U,S8P+U=)1\$4M
M4D5,05D@3TY,62`M(#,@3D4@3T8@4D4-"G`L2SE/4E`@("`@(#(V,#\$Q-R!`
M,C4R,S0S+S0P,S@N.#9.+S`X.#4V+C\$U5U\P.3`O,#`R+U0P-S,00C`T,B]7
M6"!R97!T#0IP+\$M",%1&12`@("`R-C`R,C0@0#(V,#(R."`S.3\$Y+C(R3B\P
M.30T,BXY-U<M2&DA57-E<F=A:6XA#0IP+%=\$.5\$*0R`@("`R-C`Q,3@@0#(U
M,#8T-2\T,3,U+C<U3B\P.#<R,2XP,%=U4F%N9'D@,3@@5VAE96P@05!24PT*
M<"Q70CE414\$M,B`@,C8P,3\$Y("\$J*BHJ*BHO-#`R-RXY,DXO,#DP-#5N,3=7
M7TUA8V]M8B!2861A<@T*<"Q!0C1+3BTQ("`@,C8P,3\$Y("\$\R-C`R,C`O,S,R
M-"XS.4XO,#@T,S,N,S%77S,V,"`P,#`05#`W,2]2,#`P+U`P,#`00C`Q-R](
M.34N-E]7>`T*<"Q..\$-(0B`@("`@,C8P,3(T(\$`R-C`V,C1Z-#(Q."XY,4XO
M,#@S,C@N,357(S`P,"`P,#`-"G`L3C!,4D8@("`@(#(V,#<U,"!`,`C8P-S0Y
M+S,X,S<N-3E.+S`Y-3\$Q+C\$S5U\Q,3(O,#`Q+U0P-S(O4C`P,"]0,#`P+U4M
M24DH875T;RD-"G`L3C!)3E@@("`@(#(V,#@S-"!`,`C8P.#,U>C0Q,S@N,C9.
M+S`Y,S0X+C\$P5UI02\$<P,#`P+U=I;F10=W,@0F5T82!697)S:6]N("TP-#(M
M/#4-"G`L3C!'1U4M,2`@(#(V,#@T,B`A*BHJ*BHJ+S0P,3\$N,S!+.S`Y-3`Y
M+C`P5R-0=W(V,S4P+U=)1\$4M4D5!3%D@+2!797-T(&]F(\$=R86AA;2P-"G`L
M3C)#6D8@("`@(#(V,#\$T,2!`,`C8P-S,W>C(V-30N-SA.+S`X,#\$T+C0Y5R92
M:6-H(&XR8WIF0&UA9V<N;F5T(\$IU<&ET97(@1DP@1T%410T*<"Q+0C!34UH@
M("`@,C8P.3\$U(\$`R-C\$T,35Z,SDT."XQ,4XO,#DT-#4N-S)7(U=)1\$4M4D5,
M05D-"G`L5U8P5"TY("`@(#(V,#@T,R`A*BHJ*BHJ+S,Y,#`N,3).+S`Y-#T
M+C\$W5R-0=W(U-38P+U=)1\$4M4D5,05D@2T,@05!24R!\$:6=I<&5A=&4-"G`L
M3CE04\$H@("`@(#(V,#@S."`A*BHJ*BHJ+S,X-#<N,C9.+S`X.34W+C\$X5R-0
M=W(V-3DU+U=)1\$4N+BY%9`A<F1S=FEL;&4L26P-"G`L5S!"6%(@("`@(#(V
M,#4U-"!`,`C8P-30W+S0Q,\$N-3A.+S`Y,#,T+C0P5U\Q-3<O,#`R+U0P-C,O
M4C`P,"]5+4E)*&%U=&I#0IP+\$XP459#3\$@("`R-C`V-#(@2HJ*BHJ*B\T
M-#5W+C4V3B\P.3,Q-"XU-%<C4\$A'-30V,"]7241%+5)%3\$%9(&EN(\$9A<FEB
M875L="P@34X-"G`L3C!"2T(M,2`@(#(V,#@P-2`A*BHJ*BHJ+S0P-#`N,#!.
M+S`Y-#0S+C`P5R-0=W(U,S8P+U=)1\$4@1\$E'22!/3DQ9("T@0D5\$1D]21"P@
M24\-"G`L5S!"6%(M,B`@(#(V,#(S-"`O,CDQ.3,W+S0Q,S8N-S=.+S`Y,#,U
M+C`S5U=02\$<W,C,P+R!.5U,@3D584D%\$('`I=&4@0"!\$879E;G!O<G0-"G`L
M3C1.15\$@("`@(#(V,#(T,B!`,`C8P,S4V+S,S-3DN,S1.+S`X-#0Q+C(T5U\R
M,C40,#`P+U0P-C@04C`P,"]0,#`P+U4M24DH875T;RD-"G`L3D\$P4BTY("`@
M(#(V,#,R-B!`,`C8P.#(U>C0Q-#0N,C5.+S`Y,S,W+C0Q5UI02\$<W,C`P+U=I
M;D%04E,@*\$Y0="!296=I<W1E<F5D*2`M,3`-"G`L5T\$R5D])("`@(#(V,#0P
M-R!`,`C8P.3\$S>C0U,#\$N,S!+.S`Y,\$S+C`R5U\Q-#80,#`R+U0P-S\$04BXN
M+B]0+BXN+T(P,3D02#`W-2]5,F\$-"G`L2T8P6D@@("`@(#(V,#4P.2!`,`C8Q
M,3(U>C0T-#<N,#9.+S`Y,S(Y+C0X5U\R,#40,#`U+U0P-CD04C`P,"]0,#`P
M+T(P,C`02#`X,R]5,F\$-"G`L3CE,0D<@("`@(#(V,#,R-B!`,`C8P,S(W+S,X
M-#<N,CA.+S`X.34V+C(V5U\Q-3<O,#`P+U0P-C(O4BXN+B]0+BXN+U4M24DH
M875T;RD-"G`L2T0T1\$Q4+3<@(#(V,#4P-B`A*BHJ*BHJ+S,S-#(N,#!.+S`X

M-#P+C<U5R-02\$<U-#@S+U=)1\$4M4D5,05D@(\$QI=&A0;FEA(\$=A+@T*("<Q7
M1#1#444@("`@,C8P-#4R(\$`R-C`Y,S%Z,S4U-"XQ.\$X0,#@U,#`N,3E7>5!(
M1S4T-S`02V5N+\$-U;6)E<FQA;F0@371N(%-T871E(%!A<@T*("<Q.,\$%.(("`@
M("`@,C8P-C,Y(\$`R-C\$Q-#)Z-#S\$U."XR-4X0,#DS,S,N,S977S\$X-R\`P,#,0
M5#`V-2]2,#`04#`P,""]",#(P+T<P,#,0(%4M,@T*("<Q+53!'+3,@("`@,C8P
M-C4X(\$`R-C`V-3@0,#`P,"XP,\$X0,#`P,#`N,#!77S(R-2\`P,#`05#`V.""]2
M+BXN+U`N+BX052U)22AR96U0=&4I#0IP+\$XP3%)&+3D@("`R-C`W,S,@+S(V
M,3(R-7HS.#4Q+C,R3B\`P.30T-RXX-%<^,38X+S`P,2]R87<J+V=0;V0@4DU#
M(\$9I>`T*("<Q+1S!\$5R`@("`@,C8P-S\$S(\$`R-C`W,300-#S\$-BXT-4X0,#DS
M-#4N,3977S\$Y-"`P,#005#`V.2]2,#`P+U`P,#`00C`Q.2](",#@Q+U4R:PT*
M<("Q703%02%DM,R`@,C8P-S\$X("\$J*BHJ*BHO-#(S,"XR,TX0,#<Q,30N-#17
M)D=!5\$5705D@6S,P33PM/C)-72!.4B!"3U-43TX@5S%%3T!700T*82Q.,%98
M1"`@("`@.DYO(!R;V)L96T@;VX@=&AE(&%N=&5N;F\$N("!);2!M;W9I;F<@
M:6YT;R!A(!1R86EL97(@<&%R:R!A;F0@=`T*82Q.,%981"`@("`@.EEE<RP@
M22=M(&=0:6YG(&)A8VL@=&@0TU352X@(\$D@9V%T(&%B;W5T(#,@<V5M97-T
M97)S(&QE9G0-"F\$L/DXP5EA\$("`@(#I/2R!0;B!#35-5+B!7;"!S87D@-S,@
M9F5R(&Y0=RX@3&L@9G=D(!10(&UE971I;F<@=2X@8VEA;RXN>S<-"F\$L5THX
M5" TQ("`@(#(V,#`S-B!02\$<S-S,P+U=)1\$4M4D5,05D@0EE23TX@0T5.5\$52
M+"!-22X-"F\$L3CE04\$HM,B`@(#I(96QL;R!*:6TA(\$=0;V0@=&@<V5E(!1H
M92!+0R!S=&%T:6]N<R!0;B!T:&4@;6%P+"!A9V%I;@T*82P^3CE04\$HM,B`@
M.GEA+"!B:6<@;FET92!H=6@_>S@-"F\$L3C!15D,@("`@(#(V,#`S-R!`,`#@Q
M-3\$X+T%04E,@-RXU8R!0;B!L:6YE+B`H4FEC92!#;W5N='D@4VMY5V%R;B]!
M4D525"D-"F\$L3CA63\$X@("`@(#(V,#`S.2!..%9,3B]2(%)%3\$%9+T0@3CA6
M3\$XM,B]"#0IA+\$M",]\$!02`@("`R-C`P,SD@;C!V>&0Z(\$%R92!W92!H879I
M;F<@9G5N(!EE=#\-"F\$L3C! ,4D8@("`@(#(V,#`T,2!`,`C0Q.3`T+R!0875L
M+"!/=!1A=V\$L(\$M3+BXN-S,A#0IA+\$XP5EA\$("`@("`R-C`P-3(@4&EN9R\$@
M*!1E<W0@<&MT(%9)02!214Q!62D-"F\$L5T\$R5D])("`@(#(V,#`U-"!`,`C@R
M,34Q>E]02\$<S,S4P+U)%3\$%9(%-T+D%N=&A0;GD@5U@@6T5.,S5J85T-"F\$L
M3E8P3R`@("`@(#(V,#`U."!`,`C(P,#,Q+T%04E,@-RXV92`H8F5T82D@;VX@
M;&EN92X-"F\$L2SE/4E`@("`@(#(V,#\$P,2!`,`C4R,S0S+TUA;G5A;"!76"!E
M;G1E<F5D(%1U97-D87D@;6ED;FEG: !0-"F\$L3CE36DD@("`@(#(V,#\$P,B!`
M,C8P,3\$P+U!(1S(Q-#`03F5W57-E<@T*82Q+1C!:2"`@("`@,C8P,3`S(\$`P
M-C(P,#%Z+2T@5&AE(%1W:6X@0VET:65S(\$=A=&5W87D@=&\@,30U+C<Y,"`M
M+0T*82Q70C!12D@("`@,C8P,3`T(\$`Q-3(S,#804G5S='DL(%-T+B!#:&%R
M;&5S+"!-;RX-"F\$L3CA#2\$(@("`@(#(V,#\$P-R!`,`#DP-3`W+R!2;V=E<B`M
M(&XX8VAB0`1I<BYC;VT-"F\$L2T(P5\$9%("`@(#(V,#\$Q-"!`,`C8P,3\$V+T%0
M4E,@-RXV8B!0;B!L:6YE+@T*82Q71#A%2D,@("`@,C8P,3\$X(\$`R-3`V-#40
M4F%N9`D@,3@05VAE96P@05!24PT*82Q70CE414\$M,B`@,C8P,3\$Y(\$UA8V]M
M8B!2861A<@T*82Q!0C1+3BTQ("`@,C8P,3\$Y("\$R-C`R,C`05#`W,2]2,#`P
M+U`P,#`00C`Q-R](.34N-E]7>%-T;B`@-S,A#0IA+\$Y-,\$@("`@("`R-C`Q
M,C,@240@4W1R:6YG#0IA+%=,\$,\$183R`@("`R-C`Q,C0@0#(V,#`R,"`T-#W
M+C\$T3B\`P.3,Q-RXQ-C9+5&5C:"!#;VQL96=E#0IA+%=,\$,\$183R`@("`R-C`Q
M,C4@0#(V,#`R,2\`T-#W+C\$T3B\`P.3,Q-RXQ-C9+5&5C:"!#;VQL96=E#0IA
M+%<P0EA2("`@("`R-C`Q,C<@0#(T,3,U-R\W+C)B(\$1A=F5N<&]R="!2861I
M;R!!;6%T975R(\$-L=6(@*&-L=6(@<W1A=&E0;BD-"F\$L3C1.15\$M,R`@(#(V
M,#\$R-R!02\$<U.3<P+U=)1\$4M4D5,05D@06YD<F5W<R!.0R`@2&D@2VEP(0T*
M82Q!0C1+3BTR("`@,C8P,3,S(\$%-#\$M.+3(04B!214Q!62]\$(\$=)1\$403@T*
M82Q+03!21\$4@("`@,C8P,3,X(\$`Q-#S\$Y-#0005!24R`W+C8@;VX@;&EN92X-
M"F\$L04(T2TX@("`@(#(V,#\$S.2! !0C1+3B]2(%)%3\$%9+T0@1T%412]'(\$95
M0D%2+TX-"F\$L3C1114\$@("`@(#(V,#\$S.2!`,`C4Q-C4T+TIO:&X@:6X@2VYO
M>'9I;&QE+"!43BX@(%4M,C`P,`T*82Q.,D-:1B`@("`@,C8P,30Q(\$`R-C`W
M,S=Z4FEC:"!N,F-Z9D!M86=G+FYE="!*=7!I=&5R(\$9,(\$=!5\$4-"F\$L5T0P
M1%A/("`@(#(V,#\$T-"!`,`#<Q,#4Y+T%04E,@-RXR9"!0;B!L:6YE+@T*82Q7

M-4Y) ("`@("`@,C8P,30U(\$`R-C`Q-#02&5L;&\@9G)0;2!,964G<R!3=6UM
M:70L(\$U/#0IA+=6,%0M,3`@("`R-C`Q-#4@0#`S,3@R-B]02\$<T,S@P+T)"
M4R!0;B`Q-#4N,#4@;W(@ (TU33D) " (\$Y09&4-"F\$13C!'1U4@("`@(#(V,#\$T
M-R`O,C<Q.#\$S+U0P-C<04C`P,"]0,#8Q+U4M24DH875T;RD-"F\$12U4P1RTQ
M("`@(#(V,#\$U-2!+53!' +3\$04B!214Q!62]\$(\$=!5\$401R!!4%)32T,03@T*
M82Q.,%981"``@("`@,C8P,34V(\$`R-C`P,3\$005!24R`W+C-A(&]N(&QI;F4N
M#0IA+%=<U3DD@("`@("`R-C`R,#(@0#(T,3\$U,B]!4%)3(#<N-&4@;VX@;&EN
M92X-"F\$13C!66\$0@("`@(#(V,#(P-2!`,`C8P,C`P+T%04E,@-RXS82!0;B!L
M:6YE+@T*82Q.03!2+3D@("`@.D=0;V0@;6]R;FEN9R!F<F]M('1H92!.871I
M;VYA;"!796%T:&5R(%-E<G9I8V4@:6X@2F]H;G-T;VXL(\$D-"F\$15U8P5" TQ
M,"`@(#(V,#(Q."!`,`#0R,S0U+U-%241+4B`@("`@05!24R!V-RXR80T*82Q.
M,%981"``@("`@,C8P,C\$Y(#]76#\"-F\$12T(P5\$9%("`@(#(V,#(R,2!`,`C8P
M,C(T+T%04E,@-RXV8B!0;B!L:6YE+@T*82Q7,\$)84BTR("`@,C8P,C,T("`R
M.3\$Y,S<04\$A'-S(S,"`@3E=3(\$Y%6%)!1"!S:71E(\$`@1&%V96YP;W)T#0IA
M+\$U#22`@("`@("`R-C`R,S4@2U4P1RTR(\$%04E,M2T,@5U@4VET92![34-)
M?2`H52U)22!296U0=&4I(\$Y0(\$1I9VDA#0IA+\$XT3D51("`@("`R-C`R-#(@
M0#(V,#,U-B]4,#8X+U(P,#`04#`P,"]5+4E)*&%U=&I#0IA+\$M",%-36B`@
M("`R-C`R-#,@2T(P4U-: +U(@5TE\$12]\$(\$M",%-36BTQ+T(@4D5,05D03@T*
M82Q+0C!34UH@("`@,C8P,C0U(\$`R-C`W-#0005!24R`W+C9E(&]N(&QI;F4N
M#0IA+%=,\$\$183R`@("`R-C`R-#4@0#(V,#\$T,2\T-#\$W+C\$T3B\ P.3,Q-RXQ
M-C9+5&5C:"!#;VQL96=E#0IA+\$M\$-\$5%4BTU("`R-C`R-#@4\$A'-S8V,"]7
M241%("T@4D5,05D@(\$AU;G1S=FEL;&4-"F\$13D\$P4BTY("`@(#(V,#(U-R!7
M:6Y!4%)3#0IA+\$Y!,%(M.2`@("`R-C`R-3<@3E=3(\$IO:&YS=&]N+!")80T*
M82Q.03!2+3D@("`@,C8P,C4W(%=I;D%04E,-"F\$13D\$P4BTY("`@(#(V,#(U
M-R!.5U,@2F]H;G-T;VXL(\$EA#0IA+\$Y!,%(M.2`@("`R-C`R-3<@5VEN05!2
M4PT*82Q.03!2+3D@("`@,C8P,C4W(\$Y74R!*;VAN<W10;BP@26\$-"F\$15T0P
M1%A/("`@(#(V,#,P-"!`,`#<Q,#4Y+T%04E,@-RXR9"!0;B!L:6YE+@T*82Q.
M,\$='52TQ("`@,C8P,S`Y(%!W<C8S-3`05TE\$12U214%,62`M(%=E<W0@;V8@
M1W)A:&%M+"!-;PT*82Q71#!\$6\$`@("`@,C8P,S,U(\$`R-C`R,S\$0-#0Q-RXQ
M-\$X0,#DS,3<N,38V2U1E8V@@0V]L;&5G90T*82Q71#!\$6\$`@("`@,C8P,S4U
M(\$`R-C`R-3\$0-#0Q-RXQ-\$X0,#DS,3<N,38V2U1E8V@@0V]L;&5G90T*82Q.
M03!2+3D@("`@,C8P,S4V(%=I;D%04E,-"F\$13D\$P4BTY("`@(#(V,#,U-R!
M5U,@2F]H;G-T;VXL(\$EA#0IA+\$M\$-\$1,5"TW("`R-C`T-#8@4\$A'-30X,R]7
M241%+5)%3\$%9("!, :71H;VYI82!'82X-"F\$15T0P1%A/("`@(#(V,#4Q-B!`
M,C8P-#\$Q+S0T,3<N,31.+S`Y,S\$W+C\$V-DM496-H(\$-0;&QE9V4-"F\$13D\$P
M4BTY("`@(#(V,#4R-B!7:6Y!4%)3#0IA+\$XP0DM("`@("`R-C`U,S`@0#(V
M,3`S,'I02\$<P,#`P+U=I;D%04E,@*)E9VES=&5R960I("TQ,#`M/#4R,#X-
M"F\$15T0P1%A/("`@(#(V,#4S-B!`,`C8P-#Q+S0T,3<N,31.+S`Y,S\$W+C\$V
M-DM496-H(\$-0;&QE9V4-"F\$13C!"2T(M,2`@(#(V,#4T-2!0=W(U,S8P+U=)
M1\$4@1\$E'22!/3DQ9("T@0D5\$1D]21"P@24]700T*82Q71#!\$6\$`@("`@,C8P
M-C(U(\$`P-S\$P-3D005!24R`W+C)D(&]N(&QI;F4N#0IA+\$XP04X@("`@("`R
M-C`V,SD@0#(V,3\$T,GI4,#8U+U(P,"]0,#`P+T(P,C`01S`P,R\@52TR,#`P
M*&%U=&I#0IA+%=6,%0M.2`@("`R-C`V-#@45U8P5"TY+U(@5TE\$12]\$(%)%
M3\$%9+TX-"F\$13C!,4D8M.2`@(#(V,#<P-"!`,`C4P-S0X+R!, :71T;&4@4F5D
M(\$90>"!0;B!T:&4@<')0=VPN+BX-"F\$15T\$Q4\$A9+3,@(#(V,#<Q."!'051%
M5T%9(%LS,\$T\+3XR35T@3E(@0D]35\$].(%<Q14]`5T\$Q4\$A9+DU!#0IA+\$XY
M4%!*+3(@("`R-C`X,S`@0#`V,C`R."`@36R='DL(\$5D=V%R9'-V:6QL92P@
M26PN(&UA<G1Y<T!E>FPN8V]M#0IA+\$XT3D51+3(@("`R-C`X,S\$@4\$A' .#0V
M,"]7241%+5)%3\$%9(&]N(%-W96%T(\$UT+B!-87)I971T82!'00T*82P^3D\$P
M4BTY("`@.D=R965T:6YG<R!.5U,@4&5R<V]N<RX@3FEC92!T;R!#(%4@;VX@
M05!24RX@2&]P92`R(&AV(\$5!6"!0;B!L:6YE>SD-"F\$L/DY!,%(M.2`@(#IT
M;V\@:6X@;F5X="!F97<@=V5E:W,N+GLQ#0IR+\$XY4UI)/E!02BTR.F%T=&5N
M=&EO;BY[,@T*<BQ.,%981#Y", \$]!03I997,L('1H:7,@:7,@<&5R='D@;F5A

M="`A>S4-"G(L5\$E-12`J(%1)0TLZ, #8M, C8M, 3DY-B`P, 3HP, #HP-@T*<BQ.
M.5-:23Y04\$HM, CI4:&5Y(&AA=F5N)W0@<VA0=V5D('5P(&N(&UI;F4@>65T
M+GLS#0IR+\$XP5EA\$/E!02BTR.DD@:G5S="!S=&%R=&5D('!L87EI;F<@87)0
M=6YD('=I=&@87!R<R!T;VYI9VAT+GLQ#0IR+\$XP5EA\$/E!02BTR.DD@=&AI
M;FL@<V\N("!!(&9R:65N9"!09B!M:6YE(&=0="!A(&=P<R!A;F0@<W1A<G1E
M9"!P;&%Y:6YG(&N(&%P<G-[#0IR+\$XP5EA\$/E!02BTR.FAE('=A;G1E9"!M
M92!T;R!S964@:68@:&4@=V%S(&=E='1I;F<@;W5T(' -O(\$D@<V5T(&UY(' -T
M871I;VX@=7![,PT*<BQ..5!02BTR/E981#I0871H(&UU<W0@8F4@9V]09"P@
M9V5T=&EN9R!Q=6EC:R!A8VMS(&9R;VT@=2Y[,PT*<BQ.,%981#Y04\$HM,CIF
M;W(@:70@=&N("!"965N(&\$@<')E='1Y(&YE870@97AP97)I96YC92!S;R!F
M87(N>S0-"G(L3CE04\$HM,CY66\$0Z2&%V92!A(\$=04R!C;VEN9R!F<F]M(%1!
M4%(L(&-A;B=T('=A:70@=&\@9V5T(&ET+GLT#0IR+\$XP5EA\$/E!02BTR.E=E
M;&P@;7D@8F5A;2!I<R!P;VEN=&5D('10=V%R9"!+0RX@(&%N9"!M>2!F<FEE
M;F1S(&ES('!O:6YT960@871[-0T*<BQ.,%981#Y04\$HM,CI3="YL;W5I<RX@
M>S8-"G(L3C!66\$0^4%!*+3(Z22!B970@;F]T+B`@5&AA="!L:71T;&4@>S<-"G(L3C!6
M6\$0^4%!*+3(Z=&]Y+BXN:WLX#0IR+\$XP5EA\$/E!02BTR.DD@86T@;&]C871E
M9"!I;B!386QI<V)U<GDL(\$U0+2U#:&%R:71I;VX@0V]U;G1Y+GLY#0IR+%1)
M344@*B!424-+.C`V+3(V+3\$Y.38@,#(Z,#`Z,#0-"G(L3C!66\$0^03)63TDZ
M2\$5,3\$@(" @>S\$-"G(L5\$E-12`J(%1)0TLZ, #8M, C8M, 3DY-B`P, SHP, #HP
M,PT*<BQ424U@("H@5\$E#2SHP-BTR-BTQ.3DV(#`U.C`P.C`U#0IR+\$M%-\$5%
M4CXY4T-).D)I;&P@:&5R92!I;B!N;W)T:"!A;&%B86UA+BY[,PT*<BQ+131%
M15(^-%!(33I(96QL;R` [+2E[-`T*<BQ424U@("H@5\$E#2SHP-BTR-BTQ.3DV
M(#`V.C`P.C`S#0IR+%1)344@*B!424-+.C`V+3(V+3\$Y.38@,#DZ,#`Z,#4-
M"F@L5\$E-12`@(" @("P@,3\$@(#\$R(" `Q,R`@,30@(#\$U(" `Q-B`@,3<@(#\$X
M(" `Q.2`@,C`@(#(Q(" `R,B`@,C,@(#`@(#\$@(#(@(#, @(#0@(#4@(#8@(#<@
M(#@@(#D@+"`Y.3D-"F@L5T(P3D]/+3\$R("P@,"`@,"`@,"`@,"`@,"`@,"`@
M,"`@,"`@,"`@,"`@,2`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@
M,"`@,"`L(#DY.0T*:"Q!03A31B`@("`@+"`P(" `P(" `P(" `P(" `P(" `P(" `P
M(" `P(" `P(" `P(" `Q(" `P(" `P(" `Q(" `P(" `P(" `P(" `P(" `P(" `P(" `P(" `Q
M(" `P(" `P@.3DY#0IH+\$XP459# +3\$Q(" `L(#`@(#`@(#`@(#`@(#`@(#`@(#`@
M(#`@(#`@(#`@(#0@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@
M(#`@+"`Y.3D-"F@L3C!)3E@@"(" @("P@,"`@,"`@,"`@,"`@,"`@,"`@,"`@
M,"`@,"`@,"`@,B`@-R`@-B`@,3`@(#, @(#(@(#(@(#(@(#`@(#`@(#`@(#\$@
M(#`@+"`Y.3D-"F@L2T8T04I/+3\$@("P@,"`@,"`@,"`@,"`@,"`@,"`@,"`@
M,"`@,"`@,"`@,2`@,2`@,2`@,"`@,"`@,"`@,"`@,"`@,2`@,"`@,"`@,"`@
M," `L(#DY.0T*:"Q+43145BTY(" @+"`P(" `P(" `P(" `P(" `P(" `P(" `P(" `P
M(" `P(" `P(" `P(" `U(" `Q(" `S(" `P(" `P(" `P(" `Q(" `Q(" `P(" `P(" `P(" `P
M("P@.3DY#0IH+\$M", \$U142`@(" `L(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@
M(#`@(#`@(#`@(#\$@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@
M+"`Y.3D-"F@L5T\$V4E18(" @("P@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@
M,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`L
M(#DY.0T*:"Q., \$U.0B`@(" @+"`P(" `P(" `P(" `P(" `P(" `P(" `P(" `P(" `P
M(" `P(" `P(" `S(" `R(" `S(" `T(" `Q(" `Q(" `P(" `Q(" `P(" `P(" `P(" `P@
M.3DY#0IH+\$M", \$)!02`@(" `L(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@
M(#`@(#`@(#D@(#,R(" `R(" `X(" `S(" `P(" `Q(" `Q(" `P(" `P(" `Q-2`@.2`L
M(#DY.0T*:"Q..4Q"1R`@(" @+"`P(" `P(" `P(" `P(" `P(" `P(" `P(" `P(" `P
M(" `P(" `P(" `Q(" `P(" `P(" `Q(" `P(" `Q(" `P(" `P(" `P(" `P(" `P(" `P@
M.3DY#0IH+\$XP5EA\$(" @(" `L(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@
M(#`@(#`@(#(Q(" `T(" `Y.2`@.3D@(#0V(" `P(" `P(" `P(" `P(" `P(" `P(" `P
M("P@.3DY#0IH+%=".\$592B`@(" `L(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@
M(#`@(#`@(#`@(#(@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@(#`@
M+"`Y.3D-"F@L3C572D(@(" @("P@,"`@,"`@,"`@,"`@,"`@,"`@,"`@,"`@

"@,"@,"@B@,"@,"@,"@,"@,"@,"@,"@,"@,"@,"@
M(#DY.OBT*: "Q+1C!: 2"@("@"+"P("P("P("P("P("P("P("P("P
M("P("P("T,R,@,30@(#(P("R,B,@,3\$@(#(S("W("R("P("P("P
M("P("P@.3DY#0IH+\$M",%5"1R@("L(#@(#@(#@(#@(#@(#@(#@
M(#@(#@(#@(#@(#@\$("\$W("Q("P("P("P("P("P("P("P("P
M("P("P@.3DY#0IH+%=", \$Y/3R@("L(#@(#@(#@(#@(#@(#@(#@
M(#@(#@(#@(#@(#@\$(\$@\$@(#@(#@(#@(#@(#@(#@(#@(#@(#@
M(#@+"Y.3D-"F@L2T,U2D=6("@("P@,"@,"@,"@,"@,"@,"@,"@,
M,"@,"@,"@,"@-B@,"@,"@,"@,"@,"@,"@,"@,"@,"@,"@,"@,
M,"L(#DY.OBT*: "Q.-4Q%1"@("@"+"P("P("P("P("P("P("P("P
M("P("P("P("R("P("P("P("P("P("P("P("P("P("P("P("P
M("P@.3DY#0IH+%=-\$-\$-112@("L(#@(#@(#@(#@(#@(#@(#@
M(#@(#@(#@(#@(#@(#@(#@(#@(#@(#@(#@(#@(\$@\$@(#@(#@(#@(#@
M+"Y.3D-"F@L2S!01E@M."@("P@,"@,"@,"@,"@,"@,"@,"@,"@,
M,"@,"@,"@,"@,2@,"@,"@,"@,"@,"@,"@,"@,"@,"@,"@,"@,"@,
M(#DY.OBT*: "Q.-%%%02@("@"+"P("P("P("P("P("P("P("P("P
M("P("P("R("V("V("Q("P("P("P("P("P("P("P("P("P("P
M.3DY#0IH+%=! -\$+=32TU("L(#@(#@(#@(#@(#@(#@(#@
M(#@(#@(#@,#@#@#\$@(\$@(\$@(\$@(\$@,\$@#\$@(\$@(#@(#@+#Y
M.3D-"F@L3DP4BTY("@("P@,"@,"@,"@,"@,"@,"@,"@,"@,"@,
M,"@,"@-2@-"@,R@,"@.2@-2@,2@,2@,"@,"@,"@,"@,"@,"@,
M.OBT*: "Q.,%I+2R@("@"+"P("P("P("P("P("P("P("P("P
M("P("Q("R("P("P("P("P("P("P("P("P("P("P("P@.3DY
M#0IH+\$M", \$U&1B@("L(#@(#@(#@(#@(#@(#@(#@
M(#@(#@(\$R("\$S("R("Q("T("R("R("P("R("Q("\$S("P("P@.3DY
M#0IH+\$M", %5:42@("L(#@(#@(#@(#@(#@(#@(#@
M(#@(#@X("Y.2@,C@(\$V("T,R@,\$\$@(\$S("Q,R@.2@,"@,"@
M,"L(#DY.OBT*: "Q+0C!255H@("@"+"P("P("P("P("P("P("P
M("P("P("P("P("V("P("P("P("P("P("P("P("P("P("P
M("P@.3DY#0IH+\$M', \$17("@("L(#@(#@(#@(#@(#@(#@(#@
M(#@(#@(#@(#@(#@<@(\$@(\$@(\$@(\$@#@#@#@(\$@(#@(\$@\$@
M+"Y.3D-"F@L3E8P3R@("@("P@,"@,"@,"@,"@,"@,"@,"@,"@,
M,"@,"@,"@,"@-B@,R@,"@,"@,2@,"@,"@,R@,"@,"@,"@,"@,
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,

end

<---- End Attached File ---->

From jagrelo@cris.com Wed Jun 26 09:47:19 1996

Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id JAA24589 for <aprssig@tapr.org>; Wed, 26 Jun 1996
09:47:18 -0500 (CDT)

Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/11 2.45))
id KAA27838; Wed, 26 Jun 1996 10:47:09 -0400 (EDT)
[1-800-745-2747 The Concentric Network]

Errors-To: jagrelo@cris.com

Received: from crc3.pop3.net (cnc059034.concentric.net [206.83.77.34])
by darius.cris.com (8.7.3)
id KAA23998; Wed, 26 Jun 1996 10:47:06 -0400 (EDT)

Message-ID: <31D17893.7E60@concentric.net>

Date: Wed, 26 Jun 1996 10:51:15 -0700

From: Joseph Agrelo <jagrelo@cris.com>

Organization: Agrelo Engineering

X-Mailer: Mozilla 2.01 (Win95; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: DFjr Question?

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Has anyone out there connected their GPS to the DFjr using the
Multi-Port Adapter (MPA) and noticed any garbled data in the
beginning of the NMEA \$GPRMC data stream, specifically the time

portion right after the \$GPRMC(garble)?

We have *one* customer having such a problem. It would be much appreciated if someone else could check it out, we can't seem to reproduce the problem here, thus unable to fix it.

From bruninga@nadn.navy.mil Wed Jun 26 11:44:18 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id LAA28826 for <aprssig@tapr.org>; Wed, 26 Jun 1996 11:44:16 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id MAA03190; Wed, 26 Jun 1996 12:45:08 -0400
Date: Wed, 26 Jun 1996 12:45:08 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: W5rrr callsign and Automatic mode
In-Reply-To: <v02120d04adf5fd39f732@[138.87.2.109]>
Message-ID: <Pine.SUN.3.91.960626121438.446C-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 25 Jun 1996, Larry Keeran wrote:

> So, we should set our UNPROTO to W5RRR-1 ? Not W5RRR ?

APRSdos REPLY COMMENT: I think so, but when they turn on the digipeater, we weill know for sure as soon as we start seeing packets.

NOTE TO EVERYONE: When APRS is in the SPACE mode, it is supposed to reset your BEACON timer to minimum (from the decayed value of 15 minutes) as soon as it hears the spacecraft, to improve your chances of getting a packet through. Note that it must hear packets *FROM* the W5RRR (-1) callsign and not just hear digipeated packets. SO dont get excited that APRS did not reset your BEACON timer on the first few packets. As soon as APRS sees one of the SAREX QSL or QRZ or any BEACON packet from W5RRR (-1), then it will reset the BEACON timer.

de wb4apr@amsat.org

From n8chb@tir.com Wed Jun 26 12:26:22 1996
Received: from tir.com (sun.tir.com [205.138.41.6]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA00443 for <aprssig@tapr.org>; Wed, 26 Jun 1996 12:26:21 -0500 (CDT)
Received: from n8chb.tir.com (an13liv.tir.com [205.218.84.15]) by tir.com (8.7.5/8.7) with SMTP id NAA07261 for <aprssig@tapr.org>; Wed, 26 Jun 1996 13:23:19 -0400 (EDT)
Message-ID: <31D16496.273D@tir.com>
Date: Wed, 26 Jun 1996 17:25:58 +0100
From: N8CHB <n8chb@tir.com>
Reply-To: n8chb@tir.com
X-Mailer: Mozilla 3.0b4Gold (Win95; I)

MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Icons
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

hello,

Bin running aprs fer abt 2 yrs now and never thought abt
this until now.
aprs - dos ver 76e
pk-900 2 port tnc
CFG75.APR file setting - echo/wide

anyway I can hve the ham shack Icon on hf and the star
only show on vhf?
pls don't tell me it's somewhere in the readme.txt files.

thanks

73,

Roger N8CHB

From jdeegan@iquest.net Wed Jun 26 13:05:19 1996
Received: from iquest.net (iquest4.iquest.net [206.53.230.100]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA02087 for <aprssig@tapr.org>; Wed, 26 Jun 1996
13:05:15 -0500 (CDT)
Received: from ind-007-237-46.iquest.net by iquest.net with smtp
(Smail3.1.29.1 #5) id m0uYyxj-0049LfC; Wed, 26 Jun 96 13:05 EST
Message-Id: <m0uYyxj-0049LfC@iquest.net>
Date: Wed, 26 Jun 96 13:05 EST
X-Sender: jdeegan@pop.iquest.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: John Deegan <jdeegan@iquest.net>
Subject: JNOS 1.10 Question

This might not be the right forum for this question, but I'll ask anyway!

Does anyone know how to do the following with JNOS 1.10m?

1. Print a message in the mailbox?
2. Set the timestamp to properly report timezone?

Thanks to all for your help.....73s de KG6XT

From ke4eer@worldnet.att.net Wed Jun 26 13:08:29 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net

[204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA02161 for <aprssig@tapr.org>; Wed, 26 Jun 1996 13:08:27 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id SAA21599; Wed, 26 Jun 1996 18:07:43 GMT
Received: from 172.dallas-1.tx.dial-access.att.net(199.69.132.172)
by mailhost.worldnet.att.net with SMTP
id A21339; Wed Jun 26 18:07:24 1996
Message-ID: <31D19877.6A89@worldnet.att.net>
Date: Wed, 26 Jun 1996 13:07:19 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2399] DFjr Question?
References: <31D17893.7E60@concentric.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joseph Agrelo wrote:

>
> Has anyone out there connected their GPS to the DFjr using the
> Multi-Port Adapter (MPA) and noticed any garbled data in the
> beggining of the NMEA \$GPSRMC data stream, specifically the time
> portion right after the \$GPRMC(garble)?
>
> We have *one* customer having such a problem. It would be much
> appreciated if someone else could check it out, we can't seem to
> reproduce the problem here, thus unable to fix it.

Will be doing that real soon Joe, as soon as the DFjr arrives. Any
special instructions as to setting this thing up using the MPA. Can i
check that out using a terminal program instead of APRS?.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From bruninga@nadn.navy.mil Wed Jun 26 14:54:17 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA06839 for <aprssig@tapr.org>; Wed, 26
Jun 1996 14:54:13 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id
PAA20240; Wed, 26 Jun 1996 15:55:09 -0400
Date: Wed, 26 Jun 1996 15:55:08 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2401] Icons
In-Reply-To: <31D16496.273D@tir.com>
Message-ID: <Pine.SUN.3.91.960626154424.15699A-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Jun 1996, N8CHB wrote:

> Bin running aprs fer abt 2 yrs now and never thought abt this until now.
>
> Can I have the ham shack Icon on hf and the star only show on vhf?
> pls don't tell me it's somewhere in the readme.txt files.

APRSDos REPLY COMMENT: See README\HF.txt

Your dual port will only transmit on one port at a time, therefore you will only show up on one band, not the other. This is because APRS will send your POSIT via the active port only.

SOLUTION:

- 1) Set CONTROLS-BANDS-2PORT. But now APRS will send the same posit via BOTH ports. Now you will be seen on both bands, but it will be the same posit an ssymbol
- 2) But your TNC will BEACON the TNC BText to both ports automatically. APRS naturally sets BEACON EVREY to 0 so that your TNC will NOT beacon by itself while APRS is running, since you want the APRS BText to be transmitted rather than the TNC.

SO, STANDARD OPERATING PRACTICE for ALL GATEWAYS, is to manually put the command BEACON EVERY 0/10 in your INITTAPR.TNC file so that the VHF port will beacon the TNC BText which has a POSIT report and uses one symbol, and the HF port will NOT beacon (so that APRS can). All of this assumes you normally leave your TNC on HF. Reverse the commands to 10/0 if you operate a Gateway but leave APRS on the VHF side...

de wb4apr@amsat.org

From bruninga@nadn.navy.mil Wed Jun 26 15:28:23 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA07861 for <aprssig@tapr.org>; Wed, 26 Jun 1996 15:28:21 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id QAA22490; Wed, 26 Jun 1996 16:29:19 -0400
Date: Wed, 26 Jun 1996 16:29:19 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: First APRS packet via SAREX!
Message-ID: <Pine.SUN.3.91.960626160101.15699C-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Following copied on AMSAT BBS:

----- Forwarded message -----
From: Bruce Paige <paigecom@alpha1.phoenix.net>

i had a connection this morning with the packet robot. also, there was an aprs transmission---

XXXXXX>APRS via *W5RRR-1 [27/JUN/96 08:08:30]: <UI>:{F0}
W5RRR-1 :Hello STS-78 Frm XXXXXXX{1

----- end of forwarded message -----

Congratulations to XXXXX for the first APRS packet! (I decided to delete his callsign since he gets enough grief already, hi hi)

But, it was not an APRS position report which is the whole objective. It was an APRS message, which the SAREX robot has no way of handling. SAREX is only acting as a digipeater in space. It does not understand APRS formats at all.

It would be best if we kept to APRS POSITS only (BEACONS if you are in SPACE MODE) for several reasons. Position reporting of ground stations is our objective, message packets only waste air time, and finally seeing message text between stations may encourage non APRS stations to try DIGIPEATING standard packet via SAREX and then the cat is out of the bag. Everyone will try to connect to their buddy via W5RRR-1 using standard packet and no one will get through.

Then they will turn digipeating off and the game is over....

PLEASE, no APRS messages TO SAREX or VIA SAREX! You will never get an ack to either one! Also make your alt-BEACON very short so that it doesnt look like a long brag packet. Our point is how SHORT an APRS SPACE MODE PACKET (Grid square) can be...

From bruninga@nadn.navy.mil Wed Jun 26 15:39:34 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA08378 for <aprssig@tapr.org>; Wed, 26 Jun 1996 15:39:31 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id QAA23077; Wed, 26 Jun 1996 16:40:28 -0400
Date: Wed, 26 Jun 1996 16:40:28 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: APRS Sarex score card (3)
Message-ID: <Pine.SUN.3.91.960626163152.15699D-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

SAREX PACKET has been heard at 1130z on Wed 26 June. Due to intermod, my APRtrak only captured one packet and it was a standard CONNECT But I could hear the Robot working packets like crazy! Cant wait to see the next pass after I install my intermod filter!

The Shuttle Columbia callsign is W5RRR-1. The following logs what we have heard on the USA east coast and via Internet.

DAY EDT ZULU COMMENTS


```

-----
21 1745 2145z Voice K04HD Fl Keys
21      2238z Voice Guiccone San Diego, and W5GEL Texas
22 0915 1315z through 1400 on 23 June nothing heard on 9 passes
23 1535 1935z voice heard in S. Fla
23      2110z Voice heard in Calif
24 0740 1140z nothing heard on next 4 passes
24 1355 1755z voice reported in Texas          END FIELD DAT
24 1530 1930z nothing heard on next 3 passes
25 1045 1445z I missed the pass
25 1230 1620z Voice over usa.  They said Packet soon!
25 1400 1750z Voice over USA
26 0730 1130z Packet reported fm Alabama
26 0904 1304z Packet reported in Houston & East coast
26 1350 1750z packets! (But I had pager Intermod!!)

```

Remember, in SPACE mode, the GRID SQUARE POSIT is inserted in your BEACON. Do not send any APRS packets except your BEACON. Use the XMIT-BEACON command. Do not send APRS messages!

Later when things calm down, sending your POSIT might be OK, but that is a much longer packet and is not needed if you send a SPACE MODE BEACON. The SPACE MODE BEACON will put you on the map (using the gridsquare format)

de wb4apr@amsat.org

```

From quarry@q.continuum.net  Wed Jun 26 15:50:18 1996
Received: from q.continuum.net (q.continuum.net [199.0.52.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA08823 for <aprssig@tapr.org>; Wed, 26 Jun 1996
15:50:17 -0500 (CDT)
Received: from [199.0.52.87] (cd-38.continuum.net [199.0.52.87]) by
q.continuum.net (8.6.12/8.6.12) with SMTP id QAA17191 for <aprssig@tapr.org>; Wed,
26 Jun 1996 16:55:44 -0400
Message-Id: <v02140b05adf751d0486e@[199.0.52.87]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 26 Jun 1996 16:50:15 -0400
To: aprssig@tapr.org
From: quarry@q.continuum.net (Chip)
Subject: MacAPRS v2.5

```

I'm sure it must be just me, but in spite of the fact that it has been asked for here and responses made I have still been unable to find it.

When the question was asked, the response was that it was already (past tense at the initial response) at both TAPR and Rutgers sites. When I first saw v2.5 on the air, when that response was received by me, and twice since that response, I tried on both Rutgers and TAPR (the MacAPRS, MacMisc, and Upload directories as well as random others) without success. I felt that perhaps it just needed time to become "available".

Can someone please straighten me out, is it just me (ie I'm blind) or is this file not there? I have no great need for the file (hence the willing-ness to wait so long), but I am starting to get just a wee bit frustrated that I'm told it's there but I can't find it.

*** I want it to be clear that I am in no way intending to flame or put pressure on anyone (again I say I have no immediate need for the file), I am just trying to get clarification for things said here. ***

Chip Griffin - President of Thames River Apple Users Group (TRAUG)
BBS System Operator of The Quarry (860-889-6427)
- eMail to: quarry@q.continuum.net
my home page: <http://q.continuum.net/~quarry/>
TRAUG home page: <http://q.continuum.net/~quarry/TRAUG.html>

From jagrelo@cris.com Wed Jun 26 15:51:10 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA08843 for <aprssig@tapr.org>; Wed, 26 Jun 1996 15:50:51 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/11 2.45))
id QAA13992; Wed, 26 Jun 1996 16:49:47 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059043.concentric.net [206.83.77.43])
by darius.cris.com (8.7.3)
id QAA09579; Wed, 26 Jun 1996 16:49:34 -0400 (EDT)
Message-ID: <31D1CD88.7229@concentric.net>
Date: Wed, 26 Jun 1996 16:53:44 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2403] Re: DFjr Question?
References: <31D19877.6A89@worldnet.att.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

William Nolle wrote:

>

> Joseph Agrelo wrote:

```

> >
> > Has anyone out there connected their GPS to the DFjr using the
> > Multi-Port Adapter (MPA) and noticed any garbled data in the
> > beggining of the NMEA $GPRMC data stream, specifically the time
> > portion right after the $GPRMC(garble)?
> >
> > We have *one* customer having such a problem. It would be much
> > appreciated if someone else could check it out, we can't seem to
> > reproduce the problem here, thus unable to fix it.
>
> Will be doing that real soon Joe, as soon as the DFjr arrives. Any
> special instructions as to setting this thing up using the MPA. Can i
> check that out using a terminal program instead of APRS?.

```

Hey Bill!

Since the GPS data is routed through the MPA to the DFjr,
a few things need to be configured first.

- 1)GPS port is turned on (MENU-3)
- 2)the desired POSIT rate is set (MENU-8)
- 3)set desired baud rate (MENU-5, default 4800)
- 4)baud rate to PC (MENU-4).

APRS needs to be configured as well, see APRS/README/DF.TXT, I think!

This is only a one time set up since the DFjr has an internal EEPROM.
Yes, data can be viewed through any terminal program.

```

> --
> Bill KE4EER
> ke4eer@worldnet.att.net
> ke4eer@amsat.org

```

73 De Joe N200C

XX

Agrelo Engineering
Joe Agrelo/President
(518)381-1057
(518)381-1058

E-Mail: Jagrelo@concentric.net

WEB: <http://home.navisoft.com/agrelo/ae.htm>

Designer & Manufacturer of intelligent microprocessor
based Doppler and talking products

Experts in Microchip & Motorola processors

XX

From stanzepa@usa.nai.net Wed Jun 26 16:01:01 1996

Received: from usa.nai.net (usa.nai.net [204.71.21.10]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id QAA09085 for <aprssig@tapr.org>; Wed, 26 Jun 1996
16:00:55 -0500 (CDT)

Received: from [206.98.48.212] (naih1p43.nai.net [206.98.48.212]) by usa.nai.net
(8.6.12/8.6.5) with SMTP id QAA19115 for <aprssig@tapr.org>; Wed, 26 Jun 1996

16:56:53 -0400
Message-Id: <v01530500adf753c9d705@[206.98.48.250]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 26 Jun 1996 17:00:41 -0400
To: aprssig@tapr.org
From: stanzepa@usa.nai.net (stan horzepa)
Subject: anybody hear me?

Did anybody copy my posit packets via W5RRR-1 around 1620 Z Wednesday?

Here is what happened:

- 1) I transmitted my posit.
- 2) My computer crashed immediately thereafter.
- 3) Next, I copied a packet aurally on 145.55 but due to the crash, was unable to decode it.

This one day after my 2-meter amp bit the dust. (Murphy go home!)

Thanks in advance!

Stan, WA1LOU

From rwf@mindspring.com Wed Jun 26 16:52:30 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA11777 for <aprssig@tapr.org>; Wed, 26 Jun 1996 16:52:29 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id RAA05856 for <aprssig@tapr.org>; Wed, 26 Jun 1996 17:52:21 -0400
Message-Id: <2.2.32.19960626215323.009e99d8@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 26 Jun 1996 17:53:23 -0400
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Sproul-napped?

Where are they? Hope nothing is wrong.
Anyone seen or heard from them recently?
Are they in seclusion working on improvements to their software?

From n2czf@magg.net Wed Jun 26 18:33:37 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id SAA15563 for <aprssig@tapr.org>; Wed, 26 Jun 1996 18:33:35 -0500 (CDT)
Received: from Cybergate (wpb-185.magg.net [205.218.112.185]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id TAA08444 for <aprssig@tapr.org>; Wed, 26 Jun 1996

19:32:17 -0400
Date: Wed, 26 Jun 1996 19:32:17 -0400
Message-Id: <199606262332.TAA08444@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: Re: [APRSSIG:2389] More on the VHF Opening...

Tis' the season..... For openings that is!

>At 2350 CDT posted WJ8T-2 (Sam Nabkey here on the Sig!)
>At 2352 CDT posted WA4GKM-5 and KE4EER-5 digis!
>At 2233, WB8EYJ...
>At 2348, KQ4TV-9 (GPS Mobile)
>At 2337, KE4ROC-5 and KE4ROC at 2339...
>At 2252, N4NEQ-3
>At 2349, WA2VOI-2 (WX station in MN)
>At 2353, N0MNB in MN
>
>Best 73,
>Jim Duncan, KU0G
>APRS--Kansas City Coordinator
>EMail: ku0g@sprynet.com
>
>
73's Rich N2CZF
n2czf@magg.net
Jupiter Farms Florida EL96

From cheisler@cyberia.com Wed Jun 26 18:51:03 1996
Received: from cyberia.com (cyberia.com [205.160.224.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id SAA16060 for <aprssig@tapr.org>; Wed, 26 Jun 1996
18:51:00 -0500 (CDT)
Message-Id: <199606262351.SAA16060@tapr.org>
Received: from sl4.cyberia.com by cyberia.com
with SMTP (IPAD 1.1) id 2775600 ; Wed, 26 Jun 96 19:53:32 EST
X-Sender: cheisler@cyberia.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="====_835847437==_"
Date: Wed, 26 Jun 1996 19:50:37 -0400
To: aprssig@tapr.org
From: "Charles E. Heisler" <cheisler@cyberia.com>
Subject: GPS-20 *HELP!
X-Attachments: B:\GPS;

--====_835847437==_
Content-Type: text/plain; charset="us-ascii"

Hi APRSSIG Gang....I guess I am the only one in the whole world that is having trouble getting my GPS-20 receiver going.

I have left it run with various ant. including the Trimble from PacComm to a small hunk of wire for over a hr. Some of the data changes but it is always 4 min. slow. And it does not seem to give the correct data to the KD6PBH display. Other than the baton turning it never gets past the sign on message. I have included A sample of the data that I logged from the serial port yesterday 26 Jun.

The only thing I can see that is a bit strange is the out put of the 7805 is 4.88v with or with out load.

Any help would be appreciated.

-73- Charlie K3VDB E-Mail= cheisler@cyberia.com

--===== _835847437==_

Content-Type: text/plain; charset="us-ascii"

Content-Disposition: attachment; filename="GPS"

```
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```

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-----_835847437==_--

From sem2r@galen.med.virginia.edu Wed Jun 26 19:33:23 1996
 Received: from virginia.edu (mars.itc.Virginia.EDU [128.143.2.9]) by tapr.org
 (8.7.5/8.7.3/1.9) with SMTP id TAA17470 for <aprssig@tapr.org>; Wed, 26 Jun 1996
 19:33:21 -0500 (CDT)
 Received: from avery.med.virginia.edu by mail.virginia.edu id aa15516;
 26 Jun 96 20:33 EDT
 Received: from default (slip-5-10.acc.Virginia.EDU [128.143.7.130]) by
 avery.med.Virginia.EDU (8.7.1/8.6.6) with SMTP id UAA194061 for
 <aprssig@tapr.org>; Wed, 26 Jun 1996 20:33:18 -0400
 Message-Id: <2.2.32.19960627003319.006c7234@avery.med.virginia.edu>
 X-Sender: sem2r@avery.med.virginia.edu

X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 26 Jun 1996 20:33:19 -0400
To: aprssig@tapr.org
From: "Stacey E. Mills, M.D." <sem2r@galen.med.virginia.edu>
Subject: MCX right angle adapter??

Hi group,

In order to fit my Garmin-20 (which is working beautifully) into the case that I have, I need a right angle adapter for the MCX RF connector coming off the board. Before I "get creative" does anyone know a source for these???

DigiKey and Mouser seem to carry only the slightly larger SMB type mini connectors.

Thanks very much.

--de WB4QKT
Stacey E. (Chuck) Mills
E-mail: sem2r@galen.med.virginia.edu

From rick_o@jericho.com Wed Jun 26 19:35:01 1996
Received: from jericho.com (jericho.com [204.68.191.254]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA17570 for <aprssig@tapr.org>; Wed, 26 Jun 1996 19:34:58 -0500 (CDT)
X-ROUTED: Wed, 26 Jun 1996 20:33:38 -0500
Received: from rick_o [204.68.191.108] by jericho.com with smtp id BEBMAGAG ; Wed, 26 Jun 1996 20:28:06 -0500
Message-ID: <31D1D6EC.271C@jericho.com>
Date: Wed, 26 Jun 1996 20:33:48 -0400
From: "Rick O'Hearn" <rick_o@jericho.com>
Organization: KF4CD0
X-Mailer: Mozilla 2.0 (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
CC: rick_o@jericho.com
Subject: Repeater Maped
References: <tcppop3.33331@jericho.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

Been watching this sig for a while..... Posted one question before but no response..... on to bigger and better things....

Can anyone here tell me if there is a source that I could get the Lat and Long of repeaters?

I would like to include them to my map for my trip from VA to MO.

73 to all
KF4CD0
Rick O'Hearn
36'46"N/76'06"W
rick_o@jericho.com

From dgc@host.renc.igs.net Wed Jun 26 19:45:34 1996
Received: from host.renc.igs.net (root@host.renc.igs.net [206.248.50.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA17804 for <aprssig@tapr.org>; Wed, 26
Jun 1996 19:45:32 -0500 (CDT)
Received: from dgc.renc.igs.net (ttyA1b.renc.igs.net [206.248.50.57]) by
host.renc.igs.net (8.6.12/8.6.12) with SMTP id UAA25112 for <aprssig@tapr.org>;
Wed, 26 Jun 1996 20:45:18 -0400
Message-Id: <199606270045.UAA25112@host.renc.igs.net>
Comments: Authenticated sender is <dgc@host.renc.igs.net>
From: "Doug Campbell" <dgc@host.renc.igs.net>
To: aprssig@tapr.org
Date: Wed, 26 Jun 1996 20:44:33 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Summer
X-Confirm-Reading-To: "Doug Campbell" <dgc@host.renc.igs.net>
X-pmrqc: 1
Return-receipt-to: "Doug Campbell" <dgc@host.renc.igs.net>
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.31)

Hello folks
I'm going to leave the SIG for the summer . See you all again in
September . Thanks for all the info and help.
73 Doug VE3DGC

From rwf@mindspring.com Wed Jun 26 20:19:41 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA19475 for <aprssig@tapr.org>; Wed, 26
Jun 1996 20:19:39 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com
with SMTP id VAA03314 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:19:35 -0400
Message-Id: <2.2.32.19960627012036.00986d50@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 26 Jun 1996 21:20:36 -0400
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2413] MCX right angle adapter??

Stacey- The following are snippets I have saved from Usenet:

ranecurl@engin.umich.edu suggests:

Digi-Key has just added MCX connectors to their catalog (1-800-344-4539). The MCX styles are < \$6. Digi-Key has no minimum.

grupinski@mail.utexas.edu suggests:

Pasternack Enterprises
P.O. Box 16759
Irvine, CA 92713-6759
(714) 261-1920

They have MCX crimp plugs for RG174/RG188/RG316 and RG178/RG196 in straight and right angle, PC board mount and bulkhead mount. Prices range from \$6.00 to \$9.00 in QTY. 1-24.

From byoung@qni.com Wed Jun 26 20:22:44 1996
Received: from qni.com (root@qni.com [206.29.114.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA19587 for <aprssig@tapr.org>; Wed, 26 Jun 1996 20:22:43 -0500 (CDT)
From: byoung@qni.com
Received: from 206.29.114.57 (s57.qni.com) by qni.com (5.x/SMI-SVR4) id AA20202; Wed, 26 Jun 1996 20:23:23 -0500
Date: Wed, 26 Jun 1996 20:23:22 -0500
Message-Id: <9606270123.AA20202@qni.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: What constitutes contact with the shuttle?
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.17

APRSers,

OK guys, don't make fun of this query, 'cause I ain't never tried to QSO the space shuttle before! I need some help! What constitutes a "contact" with the shuttle, and have I accomplished it?

Here's the background: I've had my home APRS station running 7.6e in (S)pace mode since Friday laying in wait for the shuttle to pass over in digital mode...

I came home from work today to find my APRS station telling me "Congratulations..." and when I went to (L)atest Beacons Heard, there was a message saying:

W5RRR-1 @ 261250 #189-is your STS-78 SAREX QSO number.

Did I do it? Is this message the "holy grail of space QSOs" that I've sought all my life? *OR* Did I just hear someone else hitting the jackpot? SOMEBODY TELL ME!

Bill Young
byoung@qni.com
KB0UZQ

From wbliss@coastside.net Wed Jun 26 20:42:39 1996
Received: from poseidon (poseidon.coastside.net [205.162.38.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA23972 for <aprssig@tapr.org>; Wed, 26 Jun 1996 20:42:36 -0500 (CDT)
Received: from LOCALNAME ([205.162.38.85]) by poseidon (8.6.11/8.6.12) with SMTP id SAA05978 for <aprssig@tapr.org>; Wed, 26 Jun 1996 18:38:26 -0700
Date: Wed, 26 Jun 1996 18:38:26 -0700
Message-Id: <199606270138.SAA05978@poseidon>
X-Sender: wbliss@mail.coastside.net (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "William B. Bliss/WB6LPG" <wbliss@coastside.net>
Subject: APRS/TRANSPAC96

APRS ACTIVITY LIST...

APRS SPECIAL EVENT... ACTIVITY LIST Filed: 270000GMT JUN 96

At noon Saturday, June 29th, the Biannual Singlehanded Sailing Society's (SSS) Solo Yacht race from San Francisco to Kauai, Hawaii will commence. A voyage of about 2300 nautical miles. The various Sailing Vessels (S/V) range in length from 27 feet to 60 feet, a task for one lone sailor, to be attempting.

Mike/WD6EHQ aboard his S/V Foxx Fyre will be sending twice daily position reports on all the 17 yachts in the race, via Amateur Packet HF radio using either Pactor or G-Tor, to Bill/KB6LFM in San Leandro. Also on 20M or 40M via possibly Ron/KG6DV in Hawaii who maintains a MM2 Net on 14065Mhz.

In addition, Bill/KB6LFM will DR all Yacht positions on APRS daily during the approximate 20 day voyage. Many boats have GPS aboard but not as yet equipped to send their positions on APRS HF Ham frequencies automatically for daily tracking. Perhaps on the next race, this will be done with more Amateur licensed skippers, or on an authorized marine HF frequency.

The daily DR tracks for each Yacht, will be sent on 30M/10151/LSB and 40M/7085/LSB. Those GATEWAY HF stations, copying the uplinked positions can then GATE or Downlink to their local VHF frequencies as they desire. Bill/KB6LFM and I will downlink to our local VHF/145.01 Bay Area stations in Central California in our Area, as well as 30M/40M HF.

Additional net info on SSS, Skipper profiles and more, can be found at:

<http://www.wingo.com/sss/transpac96>
<http://www.wingo.com/sailing>
<http://www.wingo.com/weather>

73's & Enjoy, Bill/WB6LPG

NNNN

WBB/WB6LPG

From ku0g@sprynet.com Wed Jun 26 20:48:18 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA26139 for <aprssig@tapr.org>; Wed, 26 Jun 1996 20:48:16 -0500 (CDT)

From: ku0g@sprynet.com

Received: from [199.174.135.19] (ad08-019.compuserve.com [199.174.135.19]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id SAA02874 for <aprssig@tapr.org>; Wed, 26 Jun 1996 18:46:09 -0700

Date: Wed, 26 Jun 1996 18:46:09 -0700

Message-Id: <199606270146.SAA02874@m1.sprynet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:2410] Sproul-napped?

To: aprssig@tapr.org

In-Reply-To: <2.2.32.19960626215323.009e99d8@mindspring.com>

X-Mailer: SPRY Mail Version: 04.00.06.21

Keith is in Texas at his fathers house as of last week...Don't know about Mark but suspect he's there, too!

>From what Keith told me they're working on some improvements on WinAPRS!

Best 73,

Jim Duncan, KU0G

APRS--Kansas City Coordinator

EMail: ku0g@sprynet.com

From ku0g@sprynet.com Wed Jun 26 20:50:31 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA26300 for <aprssig@tapr.org>; Wed, 26 Jun 1996 20:50:30 -0500 (CDT)

From: ku0g@sprynet.com

Received: from [199.174.135.19] (ad08-019.compuserve.com [199.174.135.19]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id SAA03504 for <aprssig@tapr.org>; Wed, 26 Jun 1996 18:48:23 -0700

Date: Wed, 26 Jun 1996 18:48:23 -0700

Message-Id: <199606270148.SAA03504@m1.sprynet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:2414] Repeater Maped

To: aprssig@tapr.org

In-Reply-To: <31D1D6EC.271C@jericho.com>

X-Mailer: SPRY Mail Version: 04.00.06.21

Usually repeater owners have that information already OR you could contact the Frequency Coordinators in each state! Lat/Long information is generally required on all coordination applications.

Best 73,

Jim Duncan, KU0G

APRS--Kansas City Coordinator

EMail: ku0g@sprynet.com

From amirault@laraby.tiac.net Wed Jun 26 21:06:17 1996

Received: from laraby.tiac.net (root@laraby.tiac.net [199.0.65.80]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA27039 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:06:14 -0500 (CDT)

Received: (from amirault@localhost) by laraby.tiac.net (8.6.9/8.6.6.Beta9) id WAA08518; Wed, 26 Jun 1996 22:06:09 -0400

Date: Wed, 26 Jun 1996 22:06:07 -0400 (EDT)

From: Richard Amirault <amirault@laraby.tiac.net>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2414] Repeater Maped

In-Reply-To: <31D1D6EC.271C@jericho.com>

Message-ID: <Pine.BSF.3.91.960626220149.8369A-100000@laraby.tiac.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Jun 1996, Rick O'Hearn wrote:

> Can anyone here tell me if there is a source that I could get
> the Lat and Long of repeaters?

>

> I would like to include them to my map for my trip from VA to
> MO.

If someone else comes up with a better way, use it, but if not...

Use one of those repeater 'atlas' type books that show a graphic map of each state with repeater locations. Call up your APRS map of that state and move the cursor to the aproximate location of a particular repeater in the book and note the Lat/Long on the APRS screen.

I know it's not exact, and it's a real big pain, but if there is no other way you might want to try it.

Radio Shack carries just such a repeater atlas, published by the ARRL.

Richard Amirault
amirault@tiac.net

N1JDU
"Go Fly A Kite"

Boston, Massachusetts USA

From ku0g@sprynet.com Wed Jun 26 21:22:04 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org

(8.7.5/8.7.3/1.9) with SMTP id VAA27925 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:22:02 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.135.19] (ad08-019.compuserve.com [199.174.135.19]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id TAA11355 for <aprssig@tapr.org>; Wed, 26 Jun 1996 19:19:56 -0700
Date: Wed, 26 Jun 1996 19:19:56 -0700
Message-Id: <199606270219.TAA11355@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: VHF Band Opening AGAIN!
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

VHF is open again tonight, folks! (Sorry that mbary doesn't care about it unless it applies to him...<sniff>)

Opening started around 2030 here with 120 mile contacts to central Missouri to KB00AA. Just saw KA9CFD and WA9OLB over in Illinois (2115 CDT). By gateway is turned off for the duration of the opening/night whichever comes first...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From bruninga@nadn.navy.mil Wed Jun 26 21:37:12 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA28935 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:37:11 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id WAA29573; Wed, 26 Jun 1996 22:38:09 -0400
Date: Wed, 26 Jun 1996 22:38:09 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2412] GPS-20 *HELP!
In-Reply-To: <199606262351.SAA16060@tapr.org>
Message-ID: <Pine.SUN.3.91.960626223637.29457C-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The hunk of wire should be 1.8 inches and it should protrude through a ground plane with the ground plane attached to the coax shielded. The antenna must see full sky. No trees. And it must see this for at least 20 minutes.

de wb4apr@amsat.org

From bruninga@nadn.navy.mil Wed Jun 26 21:40:47 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA28993 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:40:46 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id WAA29606; Wed, 26 Jun 1996 22:41:44 -0400
Date: Wed, 26 Jun 1996 22:41:44 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2414] Repeater Maped
In-Reply-To: <31D1D6EC.271C@jericho.com>
Message-ID: <Pine.SUN.3.91.960626223900.29457E-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Jun 1996, Rick O'Hearn wrote:

> Can anyone here tell me if there is a source that I could get
> the Lat and Long of repeaters?

APRSdos REPLY COMMENT: If you are talking about APRS digipeaters, simply hit the FILES-REPLAY-DIGI-E.BK for the east coast, DIGI-W.BK for the west and DIGI-SE.bk for the south east.

de wb4apr@amsat.org

From gerry@cs.tamu.edu Wed Jun 26 21:43:17 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA29067 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:43:16 -0500 (CDT)
Received: from solar.cs.tamu.edu (2961@solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id VAA00286 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:43:03 -0500
From: Gerald J Creager <gerry@cs.tamu.edu>
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id VAA02399 for aprssig@tapr.org; Wed, 26 Jun 1996 21:41:41 -0500
Message-Id: <199606270241.VAA02399@solar.cs.tamu.edu>
Subject: STS-78 element set JSC-909 (26-Jun-96) (fwd)
To: aprssig@tapr.org
Date: Wed, 26 Jun 1996 21:41:40 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Date: Wed, 26 Jun 1996 14:43:40 -0500
> Subject: STS-78 element set JSC-909 (26-Jun-96)
>
>
>
> STS-78
> 1 23931U 96036A 96178.72367356 .00118242 00000-0 20691-3 0 9092
> 2 23931 39.0147 329.0657 0006999 312.4350 47.6036 16.01748976 990
>
> Satellite: STS-78
> Catalog number: 23931
> Epoch time: 96178.72367356 = yrday.fracday

> Element set: 909
> Inclination: 39.0147 deg
> RA of node: 329.0657 deg
> Eccentricity: .0006999
> Arg of perigee: 312.4350 deg
> Mean anomaly: 47.6036 deg
> Mean motion: 16.01748976 rev/day
> Decay rate: 1.18242E-03 rev/day^2
> Epoch rev: 99
> Checksum: 346
>
>
> Gil Carman
>
>
>

--

Gerry Creager N5JXS * SAREX Co-Investigator
gerry@cs.tamu.edu * A little radio that lets kids talk
* to astronauts, and smile

From sdimse@bridge.net Wed Jun 26 21:50:06 1996
Received: from relay1.UU.NET (relay1.UU.NET [192.48.96.5]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id VAA29791 for <aprssig@tapr.org>; Wed, 26 Jun 1996
21:50:04 -0500 (CDT)
Received: from bridge.net by relay1.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQavvv08721; Wed, 26 Jun 1996 22:49:46 -0400 (EDT)
Received: from [207.16.5.199] (ppp-mia6-199.bridge.net [207.16.5.199]) by
bridge.net (8.7.5/8.7.3) with SMTP id WAA03071 for <aprssig@tapr.org>; Wed, 26 Jun
1996 22:47:15 -0400 (EDT)
Message-Id: <199606270247.WAA03071@bridge.net>
Subject: Re: [APRSSIG:2417] What constitutes contact with the shuttle?
Date: Wed, 26 Jun 96 22:50:14 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>I came home from work today...

>Did I do it? Is this message the "holy grail of space QSOs" that
>I've sought all my life? *OR* Did I just hear someone else
>hitting the jackpot? SOMEBODY TELL ME!

Call me a traditionalist, but I think there ought to be at least one
operator present to make a QSO! ;-) I don't know enough about the dos
version to say if that was a full 2-way QSO, I prefer to use a terminal
program with mcon on and mcom on, so I can see everything verified.

73 de Steve K04HD

From bruninga@nadm.navy.mil Wed Jun 26 21:55:22 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA00175 for <aprssig@tapr.org>; Wed, 26
Jun 1996 21:55:20 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
WAA29770; Wed, 26 Jun 1996 22:56:19 -0400
Date: Wed, 26 Jun 1996 22:56:18 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2417] What constitutes contact with the shuttle?
In-Reply-To: <9606270123.AA20202@qni.com>
Message-ID: <Pine.SUN.3.91.960626224338.29457F-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Jun 1996 byyoung@qni.com wrote:

> I need some help! What constitutes a "contact" with the shuttle, and
> have I accomplished > it?
>
> Here's the background: I've had my home APRS station running
> 7.6e in (S)pace mode since Friday laying in wait for the shuttle
> to pass over in digital mode...
>
> I came home from work today to find my APRS station telling me
> "Congratulations..." and when I went to (L)atest Beacons Heard,
> there was a message saying:
>
> W5RRR-1 @ 261250 #189-is your STS-78 SAREX QSO number.
>
> Did I do it? Is this message the "holy grail of space QSOs" that
> I've sought all my life? *OR* Did I just hear someone else
> hitting the jackpot? SOMEBODY TELL ME!

APRSDOS REPLY COMMENT: GREAT! YES, and NO.

The "CONGRATULATIONS" message says that APRS saw a copy of your
transmitted packet digipeated. This means that most everyone else saw it
to. HOPEFULLY you showed up on everyone else's map!

The W5RRR-1 message however, was just the LATEST packet (TO SOMEONE
ELSE) that you heard from the shuttle. (If you saw it on the LATEST
screen). Immediately also look at the HEARD screen to see how many
packets you heard from W5RR-1, and then also go look at the ALL BEACONS
page to see a chronological list of all such packets heard from W5RRR-1.

And Finally, to see who it was TO, look on the DIGIS display where the
packet header would have been stored.

SUCCESS! So you did accomplish the APRS objective of getting your posit
through the digs, but the reward will be that everyone else SHOULD have

seen you. So far, Im waiting for that first report of an APRS posit!

Your Success was with APRS. SAREX does not know it or have any record of it. If you want to get a QSO number, then use conventional packet WITHOUT aprs. But I was hoping that if APRS was as successful as I am hoping it could be, that we should be able to get some special SAREX "APRS" endorsement.

TO DO this, I need to see a copy of each POSIT seen via W5RRR-1. POSITS only, as shown on your P-LIST.

I hope tomorrow to see lots of those reports coming in.

de wb4apr@amsat.org

From fe2o3!rusty@ernest.itg.ti.com Wed Jun 26 21:56:06 1996
Received: from gate.ti.com (news.ti.com [192.94.94.33]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA00230 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:56:04 -0500 (CDT)
Received: from robin.itg.ti.com ([128.247.31.238]) by gate.ti.com (8.6.13/ac3i.dseg.ti.com) with ESMTP id VAA01389 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:55:33 -0500
Received: from ernest.itg.ti.com (ernest.itg.ti.com [128.247.93.118]) by robin.itg.ti.com (8.7.3/8.6.11) with SMTP id VAA29279 for <aprssig@tapr.org>; Wed, 26 Jun 1996 21:50:23 -0500 (CDT)
Received: from fe2o3 by ernest.itg.ti.com with uucp (Smail3.1.28.1 #4) id m0uZ7Br-0000EhC; Wed, 26 Jun 96 21:52 CDT
Date: Wed, 26 Jun 96 21:52 CDT
Received: by fe2o3.LONESTAR.ORG (4.24/4.7) id AA19617; Wed, 26 Jun 96 21:47:15 cdt
From: fe2o3!rusty@ernest.itg.ti.com (Rusty Haddock-KD4WLZ)
Message-Id: <9606270247.AA19617@fe2o3.LONESTAR.ORG>
Subject: Re: [APRSSIG:2414] Repeater Maped
To: aprssig@tapr.org
Reply-To: rusty@fe2o3.lonestar.org (Rusty Haddock/KD4WLZ)
In-Reply-To: <no.id> from "Rick O'Hearn" at Jun 26, 96 08:18:17 pm
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text

Rick O'Hearn wrote:

>
>Hi all,
> Been watching this sig for a while..... Posted one question
>before but no responce..... on to bigger and better things....
>
> Can anyone here tell me if there is a source that I could get
>the Lat and Long of repeaters?
>
> I would like to include them to my map for my trip from VA to
>MO.

I'll presume that you'll want voice repeaters.... Not quite the forum for such a question (IMHO) but I'll spit out what I've found for during travels between the MD/DC/VA area and Dallas,TX.

There's about three places that I know of where you can get that information.

- 1) The ARRL directory plus access to a geographical server that can dish out the lat/lon's for a user specified city/town. This'll take some time to get a GOOD supply of points for your map. Still, the ARRL directory (on floppy disk too) is about the most available source of repeater information.
- 2) The "HAM_db and Open Repeaters" Book and CD by PerCon, distributed by 'artsci'. The book contains maps and the CD will have the databases of HAM callsigns and OPEN repeaters. The key word here is OPEN. This source contains only open repeaters the lat/lon pairs for the repeaters are on the CD AND are simply the lat/lon for the city inwhich the repeater is located.

For example: Dallas is a city that covers quite a large area but all the repeaters listed for Dallas all have the same lat/lon which is for a point downtown, not where the actual repeaters reside.

- 3) About the only place to get the true lat/lon for each repeater would be through each coordinating group for the areas you'll be traveling in. At least for the repeater coordination groups I'm familiar with (or maybe FCC?) require the lat/lon of the repeater for coordination purposes. I'm sure that obtaining this info, if the coordinating organizations give it out, would be a long and possibly frustrating experience *BUT* it would be fairly accurate. :-)

The best bet for my money for traveling purposes is the PerCon book and/or CD. You can get the book w/o the CD for a few \$\$\$'s less. The maps won't be the caliber of the USGS maps but they'll be more than good enough for your trip (been there, done it, although I kept going onto Texas :-). The PerCon maps will not have closed repeaters but you'll get a better idea of where the various towns' repeaters are located, more so than getting just the town/city names from the ARRL directory. With the latter, more preparation work would be needed to see which repeaters are going to be along your travel route. The former is great if you're driving by yourself and don't have a co-pilot to do lookups in the ARRL directory.

Have a safe trip, Rick!

-Rusty-

--

----- Rusty Haddock ### KD4WLZ ### rusty@fe2o3.lonestar.org
| \ / o \ o
| (-< O o I planted my antenna farm and what popped up was aluminum
| / __V__ / and copper tubing. Strange thing is... I used steel seeds!

From zonker@iserver.woodside.k12.ca.us Thu Jun 27 00:03:02 1996
Received: from iserver.woodside.k12.ca.us (iserver.woodside.k12.ca.us [198.31.1.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA08355 for <aprssig@tapr.org>; Thu, 27 Jun 1996 00:03:00 -0500 (CDT)
Received: from [192.187.159.44] by iserver.woodside.k12.ca.us (8.6.10/1.37) id WAA11675; Wed, 26 Jun 1996 22:02:54 -0700
X-Sender: zonker@198.31.1.3
Message-Id: <v02140b03adf7c61a8d6b@[192.187.159.44]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 26 Jun 1996 22:04:48 -0700
To: aprssig@tapr.org
From: zonker@iserver.woodside.k12.ca.us (David K. Z. Harris)
Subject: Re: [APRSSIG:2410] Sproul-napped?

>Where are they? Hope nothing is wrong.
>Anyone seen or heard from them recently?
>Are they in seclusion working on improvements to their software?

I last heard from Keith just before Dayton. I think I saw a posting from Mark in the past few weeks. On the other hand, I had open issues with both, and haven't heard from either directly. I hope they're just taking a quick vacation, and then start to clear the backlog of correspondence! :-)

-Z-

From kc5ejk@onramp.net Thu Jun 27 00:20:40 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id AAA11923 for <aprssig@tapr.org>; Thu, 27 Jun 1996 00:20:39 -0500 (CDT)
Received: from [199.1.11.119] (dal19.onramp.net [199.1.11.119]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id AAA14110 for <aprssig@tapr.org>; Thu, 27 Jun 1996 00:20:34 -0500 (CDT)
Message-Id: <v02130501adf7c44359d3@[199.1.11.119]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 27 Jun 1996 00:20:50 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: GPS-20 *HELP!

> The only thing I can see that is a bit strange is the out put
> of the 7805 is 4.88v with or with out load.

I have seen the Garmin-20 not even start if the voltage is not 5.1 Volts
And when I put an AMP meter in series the voltage drop caused the
Garmin-20 not to start. You are getting data but you might want to treck
the output.

----- Garmin-20 Current readings -----
Input Voltage 5.12 Volts DC

142 to 149 MA with no antenna or using the Garmin-45 passive antenna.
158 to 164 MA with the Garmin-45 Active antenna.
Used a digital Fluke meter.

>The hunk of wire should be 1.8 inches and it should protrude through a
>ground plane with the ground plane attached to the coax shield. The
>antenna must see full sky. No trees. And it must see this for at least
>20 minutes.

Can take much longer.

And if you will run the NMEA output into Bob's SIGPLOT.BAS program
you can watch the whole process as it steps from one Sat to another.
When it gets three Sats you will see it pause a bit then
boom a location report. You can also plug the GPS data into
MAC/WIN APRS and this will also give a report of the progress.

I have two Garmin-20 now working and one took 1.5 Hr to lock in and I
was using the Garmin ACTIVE antenna placed by a window.
The time on that unit was 14 min off before the lock-in.

PS. I have Mac APRS ,DOS APRS and WIN APRS all running on the SAME
laptop Computer :-0

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From kc5ejk@onramp.net Thu Jun 27 00:55:28 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id AAA13406 for <aprssig@tapr.org>; Thu, 27 Jun 1996
00:55:26 -0500 (CDT)
Received: from [199.1.11.119] (dal27.onramp.net [199.1.11.127]) by
mailhost.onramp.net (8.7.3/8.6.5) with SMTP id AAA18443 for <aprssig@tapr.org>;
Thu, 27 Jun 1996 00:55:18 -0500 (CDT)
Message-Id: <v02130503adf7cbbc1b61@[199.1.11.119]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 27 Jun 1996 00:55:34 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: [APRSSID:2417] What constitutes contact with the shuttle?

>
>W5RRR-1 @ 261250 #189-is your STS-78 SAREX QSO number.
>
>Did I do it? Is this message the "holy grail of space QSOs" that

You should have seen something like:

W5RRR-1*>N0VXY <UA,F>

W5RRR-1*>N0VXY <I;0,0>:#183-is your STS-78 SAREX QSO number.

Which is what I saw yesterday

There will be a list sent out late with a list of stations that made it

Try this on the next packet pass.

How to Work the Packet Robot on the Shuttle

By Bruce Paige, KK5D0

Email: KK5D0@AMSAT.ORG

Posted July 23, 1995

I have found a way to work the shuttle packet robot that always has placed me on the QSL list. It takes about 20 seconds to do and I have made the QSL list every time in the past 2 years.

There is nothing special to making a connection, the hard part is among all the signals the robot hears to make sure it gets a disconnect from you when it requests one.

Here is how I do it.

You cannot use a TNC program because I have found them to be too slow to let you know a connect has been made. Usually they wait a second, ring a bell, wait a second and by then, the world has passed you by. I use Procomm Plus (DOS version) and connect to the TNC. I have a Kantronics Data Engine but the type of TNC is irrelevant. My settings for the shuttle are as follows:

```
MONMODE ALL
MONTYPE ALL
MONITOR ON
FRACK 2
```

The other settings that you normally use are just fine. Here is how the connect goes....

Issue your connect command to the TNC. As soon as you see the message on your screen that the Robot has connected *IMMEDIATELY* press your disconnect key (for me it is CTRL-C to gain control of the TNC and then 'D' for disconnect). The next time the packet robot looks for my confirmation of the disconnect, I will be telling it to disconnect and it is a done deal.

Below are 2 sequences where I connected to the Robot. You will see that the connect was at 14:03:47 and I issued the disconnect at 14:03:51, a mere 4 seconds later. The Robot finally got around to seeing it at 14:04:07, a total of 20 seconds to complete the contact.

Further down you will see the SAREX report of QRZ and QSL and I appear in both. Now I don't have to try any further connects if I hear the Robot and concentrate on a voice contact.

73 and hope this helps everyone make successful QSL connects on the Shuttle.

cmd:c w5rrr-1

KK5D0>W5RRR-1 [15/JUL/95 14:03:46 UTC]: <<C>>:
W5RRR-1>KK5D0 [15/JUL/95 14:03:47 UTC]: <UA>:

*** CONNECTED TO W5RRR-1

W5RRR-1>WD4AHZ [15/JUL/95 14:03:48 UTC]: <I00>:{F0}
#145-is your STS-70 SAREX QSO number.
W5RRR-1>WD4AHZ [15/JUL/95 14:03:48 UTC]: <UA>:

W5RRR-1>KK5D0 [15/JUL/95 14:03:49 UTC]: <I0cmd:0>:{F0}

#146-is your STS-70 SAREX QSO number.
cmd:d

KK5D0>W5RRR-1 [15/JUL/95 14:03:50 UTC]: <RR1>:
KK5D0>W5RRR-1 [15/JUL/95 14:03:51 UTC]: <D>:
KK5D0>W5RRR-1 [15/JUL/95 14:03:53 UTC]: <D>:
KK5D0>W5RRR-1 [15/JUL/95 14:03:56 UTC]: <D>:
KK5D0>W5RRR-1 [15/JUL/95 14:03:59 UTC]: <D>:
W5RRR-1>WD4AHZ [15/JUL/95 14:04:00 UTC]: <I00>:{F0}
#145-is your STS-70 SAREX QSO number.

W5RRR-1>KK5D0 [15/JUL/95 14:04:00 UTC]: <D>:
*** DISCONNECTED
KK5D0>W5RRR-1 [15/JUL/95 14:04:01 UTC]: <UA>:

W5RRR-1>QRZ [15/JUL/95 14:06:25 UTC]: <UI>:{F0}
#99-WD4LYV WA5MYI N4ZQ KQ4AV N5ZNL N9OZU KB5JRA N0NTW WD4AHZ KK5D0
N9AB AA5OQ N9PKI W9HAD XE2MXU N7UFT K9MWM KG5OA XE1KK WA5PIE N7FUM
N6TVZ W6BME N6JLH WD6EFM WB4FNH N1DL N04J W4FWD ZL1UMB LW1EXU ZR5
MMD N7QQ WA5OUD N6HL

W5RRR-1>QSL [15/JUL/95 14:06:26 UTC]: <UI>:{F0}
KQ4AV/153 N5ZNL/151 XE1KK/150 KK5D0/146 N9PKI/144 N7UFT/134 K9MWM/132
KG5OA/131 N7FUM/127 WA5PIE/125 WB6LLO/110 WB6BDY/108 KA6UCD/107
K6AAW/106 ZS6BMN/102

W5RRR-1>SAREX [15/JUL/95 14:06:27 UTC]: <UI>:{F0}
This is STS-70 SAREX Robot station W5RRR-1
onboard the Space Shuttle Discovery.

Bob - Dallas, TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From sdimse@bridge.net Thu Jun 27 02:19:20 1996

Received: from relay1.UU.NET (relay1.UU.NET [192.48.96.5]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id CAA16067 for <aprssig@tapr.org>; Thu, 27 Jun 1996 02:19:19 -0500 (CDT)

Received: from bridge.net by relay1.UU.NET with ESMTP

(peer crosschecked as: newworld.bridge.net [204.253.4.4])

id QQavwn02983; Thu, 27 Jun 1996 03:19:17 -0400 (EDT)

Received: from [204.253.4.52] (ppp-mia1-52.bridge.net [204.253.4.52]) by bridge.net (8.7.5/8.7.3) with SMTP id DAA23949 for <aprssig@tapr.org>; Thu, 27 Jun 1996 03:16:13 -0400 (EDT)

Message-Id: <199606270716.DAA23949@bridge.net>

Subject: Re: [APRSSIG:2430] Re: GPS-20 *HELP!

Date: Thu, 27 Jun 96 03:19:00 -0400

From: Steve Dimse <sdimse@bridge.net>

To: <aprssig@tapr.org>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

>> The only thing I can see that is a bit strange is the out put
>> of the 7805 is 4.88v with or with out load.

How accurate is your voltmeter? 4.88 is within 2.5% of 5v. Few voltmeters have greater accuracy.

From pidoux@ccr.jussieu.fr Thu Jun 27 04:09:44 1996

Received: from shiva.jussieu.fr (shiva.jussieu.fr [134.157.0.129]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id EAA18666 for <aprssig@tapr.org>; Thu, 27 Jun 1996 04:09:42 -0500 (CDT)

Received: from moka.ccr.jussieu.fr (moka.ccr.jussieu.fr [134.157.1.23]) by shiva.jussieu.fr (8.7.5/jtpda-5.2) with ESMTP id LAA08865 for <aprssig@tapr.org>; Thu, 27 Jun 1996 11:09:39 +0200 (METDST)

Received: from ligne12.ext.jussieu.fr (ligne12.ext.jussieu.fr [134.157.81.171]) by moka.ccr.jussieu.fr (8.7.5/jtpda-5.2) with SMTP id LAA129702 for <aprssig@tapr.org>; Thu, 27 Jun 1996 11:09:35 +0200

Date: Thu, 27 Jun 1996 11:09:35 +0200

Message-Id: <1.5.4.16.19960627111004.272fa2d0@moka.ccr.jussieu.fr>

X-Sender: pidoux@moka.ccr.jussieu.fr

X-Mailer: Windows Eudora Light Version 1.5.4 (16)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: aprssig@tapr.org

From: Bernard Pidoux F6BVP <pidoux@ccr.jussieu.fr>

Subject: Re: [APRSSIG:2430] Re: GPS-20 *HELP!

At 00:40 27/06/1996 -0500, you wrote:

>

>And if you will run the NMEA output into Bob's SIGPLOT.BAS program

>you can watch the whole process as it steps from one Sat to another.

>When it gets three Sats you will see it pause a bit then

>boom a location report. You can also plug the GPS data into
>MAC/WIN APRS and this will also give a report of the progress.

>

>73

>

>Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

>

>

I also purchased the GPS-20 via TAPR and have the same problem.
Although I was able to send him commands through a modified MOTOROLA.BAS
program, I think that the problem is in the antenna design I made.

I would appreciate to know where could I find SIGPLOT.BAS ?

73 de

Bernard, f6bvp

AMSAT France President

web server: http://ourworld.compuserve.com/homepages/amsat_f

From 0004818186@mcimail.com Thu Jun 27 05:20:17 1996

Received: from gatekeeper.mcimail.com (gatekeeper.mcimail.com [192.147.45.5]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA20551 for <aprssig@tapr.org>; Thu, 27
Jun 1996 05:20:16 -0500 (CDT)

Received: from mailgate.mcimail.com (mailgate.mcimail.com [166.40.135.3]) by
gatekeeper.mcimail.com (8.6.12/8.6.10) with SMTP id KAA30354; Thu, 27 Jun 1996
10:16:56 GMT

Received: from mcimail.com by mailgate.mcimail.com id aa10719;
27 Jun 96 10:19 WET

Date: Thu, 27 Jun 96 05:18 EST

From: Miami Network <0004818186@mcimail.com>

To: aprssig <aprssig@tapr.org>

Subject: Icons with KPC-3

Message-Id: <75960627101857/0004818186NA1EM@MCIMAIL.COM>

We have a new APRS WIDE Digi in South Florida operating under
the call sign of N4PBF. It is a Wx Reporting Station and
sends out a Beacon every 5 minutes. The Icon comes out as
the Blue Dot with the White Line pointing into the Wind.

By taking advantage of the LT String we set up the Text
to with the same long and Lat String but put in the # sign
to indicate a DIGI and set the BLT timer to every 00:30:00

Now every 30 minutes the ICON changes from the Blue Dot
to the GREEN Star so stations can also see that it is a WIDE.

At the 5 minute mark the Wx Data will Transmit and then change
back to the Blue Dot.

Looks just neat on the monitor!

73, Seymour, KC4NMY

From k4ubr@ix.netcom.com Thu Jun 27 05:48:18 1996
Received: from dfw-ix6.ix.netcom.com (dfw-ix6.ix.netcom.com [206.214.98.6]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA21257 for <aprssig@tapr.org>; Thu, 27 Jun 1996 05:48:16 -0500 (CDT)
Received: from jac-fl1-15.ix.netcom.com (jac-fl1-15.ix.netcom.com [204.31.245.47]) by dfw-ix6.ix.netcom.com (8.6.13/8.6.12) with SMTP id DAA01559 for <aprssig@tapr.org>; Thu, 27 Jun 1996 03:47:59 -0700
Message-ID: <31D2913D.13C3@ix.netcom.com>
Date: Thu, 27 Jun 1996 06:48:45 -0700
From: Gerald Green <k4ubr@ix.netcom.com>
X-Mailer: Mozilla 2.0 (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2428] Re: Repeater Maped
References: <9606270247.AA19617@fe2o3.LONESTAR.ORG>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rusty Haddock-KD4WLZ wrote:

```
>  
>Rusty Haddock  ## KD4WLZ  ## rusty@fe2o3.lonestar.org  
> | \ /   o \   o  
> |   (   -<  O o   I planted my antenna farm and what popped up was aluminum  
> | / \ __V__ /      and copper tubing.  Strange thing is... I used steel seeds!
```

Rusty, If you insist on growing your own antennas (can't blame you with the cost they are today) and use the steel seeds you are not going to get any significant crops unless you use ROHN 25-45-55 fertilizer at regular intervals of about every four weeks until the top section approaches within 3 feet of the desired height. Water with good clean water that has no sulphur or other contaminates except possibly Iron and do not attach copper ground rods or any dissimilar wire antennas to the structure till the maximum growth is obtained. (Usually 3-4 weeks after the last application of Rohn fertilizer) Although ads indicate similar results with lesser fertilizers like Universal or USTOWER or the older Tristoa circular fertilizers, they contain too many impurities and that is when you get copper and aluminum as you described. 5 bags of Rohn 25-45-55 will give you 50 feet of tower and at 55 bucks a bag thats no bargain.

73 Jerry Green Member 4-H Franklin County NY Ag Class Grad 1947....

>>>>>

From schiers@ames.net Thu Jun 27 07:55:22 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA25061 for <aprssig@tapr.org>; Thu, 27 Jun 1996 07:55:19 -0500 (CDT)

From: schiers@ames.net
Message-Id: <199606271255.HAA25061@tapr.org>
Received: from [206.29.126.237] by ames.net id 3ec90.wrk; Thu, 27 Jun 1996
07:54:20 -0600
Date: Thu, 27 Jun 96 07:52:11 -0500
To: aprssig@tapr.org
Subject: GPS Sentences & APRS
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.04

I have my Garmin 45 working nicely with the pico packet for stand alone reporting. All is well. I am using the GPCGGA (or something very similar) sentence. In this mode I report position and altitude...I would think that position, course and speed would be more appropriate for a car and the other common sentence would do that GPRMC?

My questions:

1. Will the pico packets gps mode support this other sentence?
2. Will the Garmin output this sentence?

What changes will I need to make to the pico and Garmin parms in order to achieve this? TIA. 73,

hasan schiers, NOAN--

schiers@ames.net

From n2iph@cyberenet.net Thu Jun 27 09:04:41 1996
Received: from admin.cyberenet.net (admin.cyberenet.net [204.213.252.6]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA27935 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:04:40 -0500 (CDT)
Received: from ux1.cyberenet.net by admin.cyberenet.net with smtp (Smail3.1.29.1 #7) id m0uZHgQ-000C6fC; Thu, 27 Jun 96 10:04 EDT
Received: from n2iph.ppp.cyberenet.net.cyberenet.net by ux1.cyberenet.net with smtp (Smail3.1.29.1 #8) id m0uZHg0-0000AMC; Thu, 27 Jun 96 10:04 EDT
Message-ID: <31D29577.2DF4@cyberenet.net>
Date: Thu, 27 Jun 1996 10:06:47 -0400
From: Bob Derderian <n2iph@cyberenet.net>
Reply-To: n2iph@cyberenet.net
Organization: I&C
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: APRS dicussion group <aprssig@tapr.org>
Subject: packet radio pioneers
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Take a look at this page (I haven't included it here 'cause of size) and tell me if this isn't what we (hams) have been working towards for the past few years. Granted the technology to produce these devices is out

of reach of most of us financially and technically, but none the less it mimics what has existed on packet radio for some time only at greater speeds (KA9Q's NOS and its variants).

Now comes along really high-speed (> 14.4Kb) TCP/IP for wireless connections driven by the Internet roar of millions of surfers using miniature radio modems. Its in use now at corporate sites (HP and Microsoft among others).

Supposedlly it offers connectivity to devices that comply with RS-232, does this mean I can hook my TNC or DFjr or Wx station directly up to the 'net ? ? I wonder?

Read and let me know what you think.

Bob

From sproul@ap.org Thu Jun 27 09:06:30 1996
Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA27967 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:06:28 -0500 (CDT)
Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4) id KAA18582; Thu, 27 Jun 1996 10:02:47 -0400
X-Sender: sproul@165.1.6.1
Message-Id: <v03006f00adf83e9fb829@[165.1.27.20]>
In-Reply-To: <2.2.32.19960626215323.009e99d8@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 27 Jun 1996 09:36:29 -0400
To: aprssig@tapr.org
From: Mark Sproul <sproul@ap.org>
Subject: Re: [APRSSIG:2410] Sproul-napped?

>Where are they? Hope nothing is wrong.

All live and well (Mark has been on vacation in Texas/New Mexico for the last week and a half

>Anyone seen or heard from them recently?

>Are they in seclusion working on improvements to their software?

Yes we have been doing a lot and I am TRYING real hard to finish up the HSP that everyone is asking for.

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129

<http://msproul.rutgers.edu/>

From n2iph@cyberenet.net Thu Jun 27 09:07:07 1996
Received: from admin.cyberenet.net (admin.cyberenet.net [204.213.252.6]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA27992 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:07:06 -0500 (CDT)
Received: from ux1.cyberenet.net by admin.cyberenet.net with smtp (Smail3.1.29.1 #7) id m0uZHim-000C6fC; Thu, 27 Jun 96 10:07 EDT
Received: from n2iph.ppp.cyberenet.net.cyberenet.net by ux1.cyberenet.net with smtp (Smail3.1.29.1 #8) id m0uZHil-0000APC; Thu, 27 Jun 96 10:06 EDT
Message-ID: <31D2960A.4C7F@cyberenet.net>
Date: Thu, 27 Jun 1996 10:09:14 -0400
From: Bob Derderian <n2iph@cyberenet.net>
Reply-To: n2iph@cyberenet.net
Organization: I&C
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: APRS dicussion group <aprssig@tapr.org>
Subject: more on wireless internet
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guess it would have been good of me to include the URL huh?

www.pcmag.com/news/trends/t960607a.htm

Bob

From rwf@mindspring.com Thu Jun 27 09:11:49 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA28030 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:11:47 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id KAA29724 for <aprssig@tapr.org>; Thu, 27 Jun 1996 10:11:36 -0400
Message-Id: <2.2.32.19960627141332.006fc114@atl.mindspring.com>
X-Sender: rwf@atl.mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 27 Jun 1996 10:13:32 -0400
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2436] GPS Sentences & APRS

At 08:01 AM 6/27/96 -0500, you wrote:

>1. Will the pico packets gps mode support this other sentence?

Yes, but currently the Pico only parses and sends one sentence at a time. The software appears to be there for holding four strings, but the part that

times and sends them hasn't yet been finished. I understand that it will be implemented soon.

>2. Will the Garmin output this sentence?

Yes. It already does.

You need \$GPRMC for position and speed.

```
>What changes will I need to make to the pico and Garmin parms in order to
>achieve this?
```

No changes to the Garmin Params.

For the Picos, you set GPSTEXT to \$GPRMC, assuming you have everything else set up already. You probably have already set the LOC EV xxx command. I don't recall if you said you had the dual port or not. If you do, then you also need to set up other parms to use with the APRS computer.

Ralph Fowler, N4NEQ
S.E.R.A. ATV Technical
Advisor
rwf@mindspring.com
Atlanta, GA USA
Web: <http://www.mindspring.com/~rwf> for APRS, ATV, Balloon, and
Ham info
My hobby is tracking Vehicles and other things using Ham Radio and APRS. Ask
me how!

From bruninga@nadn.navy.mil Thu Jun 27 09:14:10 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA28063 for <aprssig@tapr.org>; Thu, 27
Jun 1996 09:14:08 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id
KAA01256; Thu, 27 Jun 1996 10:15:05 -0400
Date: Thu, 27 Jun 1996 10:15:05 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Voice REPEATERS on APRS
In-Reply-To: <9606270247.AA19617@fe2o3.LONESTAR.ORG>
Message-ID: <Pine.SUN.3.91.960627100240.29451A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Rick O'Hearn asked if anyone had a source of Lat and Long of repeaters?

> Someone wrote: I'll presume that you'll want voice repeaters.... Not quite the forum for such a question (IMHO) but here's what I know ...

APRSdos REPLY COMMENT: Actually, the subject is IDEAL for APRS. I prefer to think of APRS as an INFORMATION RESOURCE for mobile navigators. Some of

my early maps actually had our local voice repeaters on the map. APRS can display the location AND RADIO RANGE of all FM voice repeaters on its MAPS. This would be a nice aid for the traveler. All it takes is for someone to build a BACKUP file for the repeaters in their area. Just use the INPUT-ADD to add the repeaters to the map. The ANTENNA symbol. Then save the file as 2mVA.bk for all VIRGINIA 2m repeaters for example. Then any mobiler can LOAD or REPLAY the file and see the repeaters on the map.

This is a good example of a simple thing that APRS users can do to serve their community and further demonstrate the potential of APRS.

Be sure to enter the PHG of the voice repeaters so that their radio ranges can be plotted using the MAPS-PLOTS-POWER command!

de wb4apr@amsat.org

From cdavidso@hemisphere.neocomm.net Thu Jun 27 09:16:51 1996
Received: from hemisphere.neocomm.net (root@hemisphere.neocomm.net [205.160.234.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA28091 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:16:49 -0500 (CDT)
Received: from Axton (ppp41.neocomm.net [205.160.234.41]) by hemisphere.neocomm.net (8.6.11/8.6.9) with SMTP id KAA00757 for <aprssig@tapr.org>; Thu, 27 Jun 1996 10:01:32 -0400
Message-Id: <199606271401.KAA00757@hemisphere.neocomm.net>
Comments: Authenticated sender is <cdavidso@hemisphere.neocomm.net>
From: "Charles W. Davidson" <cdavidso@hemisphere.neocomm.net>
Organization: Axton Acme
To: aprssig@tapr.org
Date: Thu, 27 Jun 1996 09:56:02 +0000
Subject: Davis WX station
Reply-to: cdavidso@hemisphere.neocomm.net
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.01)

I am interested in a WX station, the Davis looks good for the \$\$\$.

I wonder what software is available for the Davis (besides APRS)???

I looked at autowx61.exe but I think it is only for the Peet products.

Your comments are welcome reply to

..... cdavidso@neocomm.net
cdavidso@neocomm.net
<http://www.neocomm.net/~cdavidso/>
WB4PAN@WB4QOJ.VA.USA.NOAM

From n0oxh@alikazam.sprintcorp.com Thu Jun 27 09:31:26 1996
Received: from alikazam.sprintcorp.com (alikazam.sprintcorp.com [144.230.241.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA28599 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:31:24 -0500 (CDT)
Received: from localhost by alikazam.sprintcorp.com via SMTP

(950413.SGI.8.6.12/940406.SGI.AUT0)

id JAA02256; Thu, 27 Jun 1996 09:31:23 -0500

Message-Id: <199606271431.JAA02256@alikazam.sprintcorp.com>

To: aprssig@tapr.org

cc: n0oxh@alikazam.sprintcorp.com

Subject: Re: [APRSSIG:2423] Re: GPS-20 *HELP!

In-reply-to: Your message of "Wed, 26 Jun 1996 21:47:41 CDT."
<Pine.SUN.3.91.960626223637.29457C-100000@arctic>

Date: Thu, 27 Jun 1996 09:31:22 -0500

From: David Rush <n0oxh@alikazam.sprintcorp.com>

Bob:

>The hunk of wire should be 1.8 inches and it should protrude through a
>ground plane with the ground plane attached to the coax shield. The
>antenna must see full sky. No trees. And it must see this for at least
>20 minutes.

Good info. My GPS-20 has been spitting out data from first application of power, but I have not gotten a fix yet. Last night I attached a dipole antenna to my -20, plugged in a battery, and let it sunbathe (moonbathe, actually) in my back yard for about 30 minutes. Still nothing. Then I let it hang out on my roof, but still nada. However, both cases still had trees blocking part of the sky.

I can watch the GPS-22 cycle through different birds, presumably searching to see what it can find.

My Icom GPS-22 works fine in much worst conditions (it works inside, where my GP-20 has sat for hours without a clue.

The dipole I've been using is a short (~5 in) chunk of RG-58, with a BNC connector (which is what's on the outside of my boxed GP-20) on one end. On the other end I've separated the shield and coax (at 1.8 inches long, each), bent them each 90 degrees in different directions, making a "T".

Unfortunately I don't have any commercial antennas, without ripping apart my Icom, which I really don't want to do.

Maybe I'll try your groundplane, and find a good, clear parking lot to hang out in for about 20 minutes.

David, n0oxh

From n2mpm@saturn.superlink.net Thu Jun 27 09:33:29 1996

Received: from saturn.superlink.net (n2mpm@saturn.superlink.net [205.246.66.199]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA28896 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:33:26 -0500 (CDT)

Received: from localhost by saturn.superlink.net via SMTP (951211.SGI.8.6.12.PATCH1042/951211.SGI)

for <aprssig@tapr.org> id KAA04495; Thu, 27 Jun 1996 10:33:25 -0400

Date: Thu, 27 Jun 1996 10:33:24 -0400 (EDT)

From: N2MPM <n2mpm@saturn.superlink.net>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2410] Sproul-napped?
In-Reply-To: <2.2.32.19960626215323.009e99d8@mindspring.com>
Message-ID: <Pine.SGI.3.93.960627103216.3782A-100000@saturn.superlink.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Sproul Brothers are fine.

Brian Boccardi	N2MPM	ARRL EC and VE
203 Bishop Blvd		ask me about Mac APRS
North Brunswick NJ		

Get involved...stay involved.
when words fail you try numbers!
4161324740020299

From seront@seism1.ess.sunysb.edu Thu Jun 27 09:46:20 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA29342 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:46:19 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDf V5.0-6 #8051) id <01I6EFK619I89YILOV@ccmail.sunysb.edu> for aprssig@tapr.org; Thu, 27 Jun 1996 10:46:14 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA04188; Thu, 27 Jun 1996 10:45:33 -0400 (EDT)
Date: Thu, 27 Jun 1996 10:45:43 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: GPS-20 *HELP!
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960627144543.007616e0@seism1.ess.sunysb.edu>
MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: quoted-printable

At 04:20 AM 6/27/96 -0500, you wrote:

> I also purchased the GPS-20 via TAPR and have the same problem.
> Although I was able to send him commands through a modified MOTOROLA.BAS
> program, I think that the problem is in the antenna design I made.
>
> I would appreciate to know where could I find SIGPLOT.BAS ?
>
> Bernard, f6bvp

Sigplot est distribu=E9 avec APRS pour DOS.

ftp://ftp.tapr.org/tapr/SIG/aprssid/files/dosstuff/DOSaprs/aprs75c.zip

si tu ne l'as pas d=E9j=E0.

Pour l'antenne, essaie le "patch" d=E9crit dans QST, l'article est dispo sur le r=E9seau. Je suis en train de distribuer (pour 2\$ pi=E8ce) un ampli monolithique, MAR-6, pour am=E9liorer cette antenne, si tu es interress=E9,=on peut s'arranger pour en exp=E9dier en France.

Comment se porte APRS en France? Y a t il des utilisateurs, et qu'en font=ils?

Amiti=E9s.

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
http://rock.ess.sunysb.edu:8080/

From fmcjunki@cks.ssd.k12.wa.us Thu Jun 27 10:18:25 1996
Received: from ssd.k12.wa.us (cks.ssd.k12.wa.us [198.104.244.101]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA01443 for <aprssid@tapr.org>; Thu, 27 Jun 1996 10:18:22 -0500 (CDT)
Received: from localhost by ssd.k12.wa.us (4.1/SMI-4.1) id AA13431; Thu, 27 Jun 96 08:12:51 PDT
Date: Thu, 27 Jun 1996 08:12:51 -0700 (PDT)
From: Frank McJunkins <fmcjunki@cks.ssd.k12.wa.us>
X-Sender: fmcjunki@cks
To: aprssid@tapr.org
Subject: SIGPLOT.BAS program
Message-Id: <Pine.SUN.3.92.960627081133.13392A-1000000@cks>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Golly, I'm sure glad someone else asked where to find SIGPLOT.BAS! I hope whomever has the answer posts it here so I can acquire it also. (Oops. Guess I took up a lot of bandwidth unnecessarily...) :)

Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916

From ku0g@sprynet.com Thu Jun 27 10:27:18 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA01756 for <aprssid@tapr.org>; Thu, 27 Jun 1996 10:27:16 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.143.111] (dd01-111.compuserve.com [199.174.143.111]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id IAA27861 for <aprssid@tapr.org>; Thu, 27 Jun 1996 08:25:06 -0700
Date: Thu, 27 Jun 1996 08:25:06 -0700
Message-Id: <199606271525.IAA27861@m1.sprynet.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2436] GPS Sentences & APRS
To: aprssig@tapr.org
In-Reply-To: <199606271255.HAA25061@tapr.org>
X-Mailer: SPRY Mail Version: 04.00.06.21

The Garmin puts out all standard \$gp strings. The main ones you want to use are \$GPGGA (L/L and Altitude), \$GPGLL (Lat/Lon) and \$GPRMC (L/L w CSE/SPD). One other one that IS going to become useful soon on APRS is the \$GPRT (Waypoints and Route).

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From weather@xnet.com Thu Jun 27 10:44:00 1996
Received: from flood.xnet.com (flood.xnet.com [198.147.221.35]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA02479 for <aprssig@tapr.org>; Thu, 27 Jun 1996 10:43:59 -0500 (CDT)
Received: from weather.xnet.com by flood.xnet.com (8.7.5/XNet-1.4R) with SMTP id KAA18190 for <aprssig@tapr.org>; Thu, 27 Jun 1996 10:44:17 -0500 (CDT)
Date: Thu, 27 Jun 1996 10:44:17 -0500 (CDT)
Message-Id: <199606271544.KAA18190@flood.xnet.com>
X-Sender: weather@quake.xnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ron Malinowski <weather@xnet.com>
Subject: Re: [APRSSIG:2436] GPS Sentences & APRS

At 08:01 AM 6/27/96 -0500, you wrote:

>I have my Garmin 45 working nicely with the pico packet for stand alone
>reporting. All is well. I am using the GPCGGA (or something very similar)
>sentence. In this mode I report position and altitude...I would think that
>position, course and speed would be more appropriate for a car and the
>other common sentence would do that GPRMC?
>
>My questions:

>2. Will the Garmin output this sentence?

N9QGS reply:

I use a KPC-3, the Garin 45 spits al streams out, I dont think there is a way to tell it what to sent (initalization string), and will support the \$GPRMC, just set up the pico for that string, I assume Pico you had to tel it somewhere \$GPGGA, I would figure just chage this to reflect string captured, this is how it works with Kantronics. Good luck

From steview@eng.adaptec.com Thu Jun 27 10:50:38 1996
Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA03054 for <aprssig@tapr.org>; Thu, 27 Jun 1996 10:50:37 -0500 (CDT)
Received: from eng.adaptec.com ([162.62.20.6]) by milpitas.adaptec.com (4.1/SMI-4.1)
id AA06694; Thu, 27 Jun 96 08:47:16 PDT
Received: from kona by eng.adaptec.com (4.1/SMI-4.1)
id AA10712; Thu, 27 Jun 96 08:51:57 PDT
Date: Thu, 27 Jun 96 08:51:57 PDT
From: steview@eng.adaptec.com (Steve Wilson x2388)
Message-Id: <9606271551.AA10712@eng.adaptec.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2437] packet radio pioneers

Just a quick note to the sig on "metricom."

I've had a couple of talks with them, and one buddy is an ex-employee(he took his stock and bought a candle shop ;-)

The system is very much like a cellular approach to packet radio(and many of the founders/technical types of the company ARE hams...) In fact, they started with AX25 as a beginning point and moved on if memory serves... Originally, the modems were built to be a self-locating radio system to report meter readings for power companies. The internet happened, and they were sitting on this cellular packet system that just fit. Basically, they attach little 1W Spread spectrum(hopping)radios to light poles, and put central hubs in every neighborhood. Typically, your packets are only a couple of hops from a higher speed hub.

Thruput varies with one amateur user I know claiming somewhere between 9600 to 14.4 REAL thruput...as opposed to divide by 4 for our ham packet systems.

Hope this shines some lite on the technology.

Steve KA6S

From alanwc7r@primenet.com Thu Jun 27 11:37:10 1996
Received: from mailhost1.primenet.com (mailhost1.primenet.com [198.68.32.51]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTMP id LAA05511 for <aprssig@tapr.org>; Thu, 27 Jun 1996 11:37:09 -0500 (CDT)
Received: from primenet.com (root@usr07.primenet.com [198.68.32.17]) by mailhost1.primenet.com (8.7.5/8.7.1) with ESMTMP id JAA12681 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:37:07 -0700 (MST)
Received: from primenet.primenet.com (ip202.prc.primenet.com [204.212.56.202]) by primenet.com (8.7.5/8.7.3) with SMTP id JAA10659 for <aprssig@tapr.org>; Thu, 27 Jun 1996 09:37:04 -0700 (MST)

Message-Id: <2.2.32.19960627153634.006871b4@mailhost.primenet.com>
X-Sender: alanwc7r@mailhost.primenet.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 27 Jun 1996 09:36:34 -0600
To: aprssig@tapr.org
From: "Alan K. Unangst" <alanwc7r@primenet.com>
Subject: Re: [APRSSIG:2442] Davis WX station

Davis offers a fine software package with their WeatherLink option (\$165.00). It not only has a nice way of tracking and viewing the data, but also, allows you to store information without having to leave your computer turned on. The WxLink comes with a small mini computer that plugs into the Wx Monitor then into your computer. I hope that this information is helpful. AA7MH and I are testing the U-2000 and the Wx Monitor II, side by side, including software, and at this time, though both are accurate, Davis is leading in the software and data collection area, also the ease of use and functionality. The test will continue and then we will have some true empirical data to put out to anyone who is interested without all the corporate PR & BS.

73, Alan

At 09:30 AM 6/27/96 -0500, you wrote:

> I am interested in a WX station, the Davis looks good for the \$\$\$.
>
>I wonder what software is available for the Davis (besides APRS)???
>
>I looked at autowx61.exe but I think it is only for the Peet products.
>
>Your comments are welcome reply to
>
>..... cdavidso@neocomm.net
>cdavidso@neocomm.net
><http://www.neocomm.net/~cdavidso/>
>WB4PAN@WB4Q0J.VA.USA.NOAM
>
>

Alan K. Unangst, WC7R
E-mail: alanwc7r@primenet.com
Packet: WC7R @ KB7FRV

From jleonard@tbcnet.com Thu Jun 27 12:24:28 1996
Received: from tbc1.tbcnet.com (root@tbc1.tbcnet.com [207.112.224.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA07489 for <aprssig@tapr.org>; Thu, 27 Jun 1996 12:24:25 -0500 (CDT)
Received: from ts242.tbcnet.com (ts242.tbcnet.com [207.112.227.42]) by tbc1.tbcnet.com (8.7.4/8.7.3) with SMTP id MAA30707 for <aprssig@tapr.org>; Thu, 27 Jun 1996 12:24:23 -0500
Date: Thu, 27 Jun 1996 12:24:23 -0500
Message-Id: <199606271724.MAA30707@tbc1.tbcnet.com>

X-Authentication-Warning: tbc1.tbcnet.com: Host ts242.tbcnet.com [207.112.227.42] didn't use HELO protocol
X-Sender: jleonard@tbcnet.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Subject: Re: [APRSSIG:2446] SIGPLOT.BAS program

At 10:33 6/27/96 -0500, you wrote:

>Golly, I'm sure glad someone else asked where to find SIGPLOT.BAS! I hope
>whomever has the answer posts it here so I can acquire it also. (Oops.
>Guess I took up a lot of bandwidth unnecessarily...) :)
>
>Frank McJunkins K7RSD fmcjunki@cks.ssd.k12.wa.us FAX: (206) 545-7916
>

In every distribution copy of dosAPRS is SIGPLOT.BAS.

jbl

J Barry Leonard/N9VJQ
DeKalb IL
E-MAIL: jleonard@tbcnet.com
WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>

From schiers@ames.net Thu Jun 27 12:30:19 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id MAA07596 for <aprssig@tapr.org>; Thu, 27 Jun 1996
12:30:17 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606271730.MAA07596@tapr.org>
Received: from [206.29.126.237] by ames.net id 63ae0.wrk; Thu, 27 Jun 1996
12:29:30 -0600
Date: Thu, 27 Jun 96 12:27:26 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2448] Re: GPS Sentences & APRS
In-Reply-To: <721539@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.04

I appear to have the answer, thanks to N4NEQ, KU0G and an N9...thank you all.

Simply changing GPSTEXT to \$GPRMC should do exactly what I want.
(PicoPacket and Garmin 45 in stand-alone mode, single port), reporting position, course and speed...instead of the default position and altitude, which is of very little significance unless you are driving up Pike's Peak.

I will confirm this works when I get home. Thanks to all who have or, may

reply. It sure is nice to get good help this quickly. 73,

hasan schiers, NOAN--

schiers@ames.net

From sproul@ap.org Thu Jun 27 12:30:32 1996

Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA07614; Thu, 27 Jun 1996 12:30:29 -0500 (CDT)

Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4) id NAA27053; Thu, 27 Jun 1996 13:26:47 -0400

X-Sender: sproul@165.1.6.1

Message-Id: <v03006f03adf870f68be5@[165.1.27.20]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Thu, 27 Jun 1996 13:29:55 -0400

To: aprssig@tapr.org, winaprs@tapr.org

From: Mark Sproul <sproul@ap.org>

Subject: WinAPRS status

To all WinAPRS users

There have been several comments about the next release of WinAPRS, I will be releasing soon, this weekend at the latest.

I hope that you dont mind that I took a few weeks to relax after spending all winter in front of the keyboard. Also I do a lot of travel during the summer. I was just down in Texas and met with several of the APRS users in Amarillo.

I am TRYING VERY hard to complete the HSP support, it is not finished and probably wont be in this release, but I AM WORKING on it very hard. (DLLs are a pain to work with)

The new features for this release are

- Airport display and list
- Winds Aloft display
- Global labels
- Symbol list
- Ability to display ONLY weather stations

- Bugs that have been fixed
- Crash on incoming packet if no windows were open
- HF/VHF terminal window was backwards if both were open
- Several packet parsing errors that caused strange behavior

I am updating the documentation for these new features.

I greatly appreciate DETAILED REPRODUCABLE bug reports, I have had several people send very complete comprehensive reports on how they were able to

re-create a problem and the steps required to do so. Sending me a Windows stack dump does NOT help at all.

I keep all bug reports that users send and all feature requests

Items that are currently being worked on

HSP (number one priority)

Pico-packet support

Davis weather support (Waiting on sample unit to test with)

Thanks for all of your support.

Mark Sproul

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

From ku0g@sprynet.com Thu Jun 27 13:52:09 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA11138 for <aprssig@tapr.org>; Thu, 27 Jun 1996 13:52:06 -0500 (CDT)

From: ku0g@sprynet.com

Received: from [199.174.143.111] (dd01-111.compuserve.com [199.174.143.111]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id LAA19922 for <aprssig@tapr.org>; Thu, 27 Jun 1996 11:49:54 -0700

Date: Thu, 27 Jun 1996 11:49:54 -0700

Message-Id: <199606271849.LAA19922@m1.sprynet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: APRS QSL cards

To: aprssig@tapr.org

X-Mailer: SPRY Mail Version: 04.00.06.21

I asked Bob if his APRS QSL card could be reproduced in quantity so that APRS geeks could get them customized for use as their own QSL cards.

He contacted the company that made his APRS cards and it looks like they could do them as follows:

\$110 for 500

\$165 for 1000

Bob would have to pay for the initial run of the basic artwork which is \$900 for 10,000 cards. He would be reimbursed as the orders came in....

To see the following diagram in its proper format, expand your message window to full-screen...

The last time Bob asked the SIG, he only got 4 replies, so he dropped the idea. We would need 20 orders for 500 or 10 orders for 1000 to make it worthwhile...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

```

From rick_o@jericho.com Thu Jun 27 14:08:18 1996
Received: from jericho.com (jericho.com [204.68.191.254]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id OAA11848 for <aprssig@tapr.org>; Thu, 27 Jun 1996
14:08:15 -0500 (CDT)
X-ROUTED: Thu, 27 Jun 1996 15:07:50 -0500
Received: from rick_o [204.68.191.101] by jericho.com with smtp
        id APACCAA0 ; Thu, 27 Jun 1996 15:02:32 -0500
Message-ID: <31D2DBEC.1A6B@jericho.com>
Date: Thu, 27 Jun 1996 15:07:24 -0400
From: "Rick O'Hearn" <rick_o@jericho.com>
Organization: KF4CD0
X-Mailer: Mozilla 2.0 (Win95; I)
MIME-Version: 1.0

```

To: aprssig@tapr.org
CC: rick_o@jericho.com
Subject: Re: [APRSSIG:2441] Voice REPEATERS on APRS
References: <tcppop3.33410@jericho.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thank you all for the feed back. I was hoping someone had a secret they would share but sounds like a new theory. Some are working on it and if I get the info I will post.

Again, Thank You
73
rick_o@jericho.com
Rick O'Hearn
KF4CDO

aprssig@tapr.org wrote:

>
> > Rick O'Hearn asked if anyone had a source of Lat and Long of repeaters?
>
> > Someone wrote: I'll presume that you'll want voice repeaters.... Not
> quite the forum for such a question (IMHO) but here's what I know ...
>
> APRSdos REPLY COMMENT: Actually, the subject is IDEAL for APRS. I prefer to
> think of APRS as an INFORMATION RESOURCE for mobile navigators. Some of
> my early maps actually had our local voice repeaters on the map. APRS
> can display the location AND RADIO RANGE of all FM voice repeaters on its
> MAPS. This would be a nice aid for the traveler. All it takes is for
> someone to build a BACKUP file for the repeaters in their area. Just
> use the INPUT-ADD to add the repeaters to the map. The ANTENNA symbol.
> Then save the file as 2mVA.bk for all VIRGINIA 2m repeaters for
> example. Then any mobiler can LOAD or REPLAY the file and see the
> repeaters on the map.
>
> This is a good example of a simple thing that APRS users can do to serve
> their community and further demonstrate the potential of APRS.
>
> Be sure to enter the PHG of the voice repeaters so that their radio
> ranges can be plotted using the MAPS-PLOTS-POWER command!
>
> de wb4apr@amsat.org

From ku0g@sprynet.com Thu Jun 27 15:01:28 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA14276 for <aprssig@tapr.org>; Thu, 27 Jun 1996
15:01:26 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.143.111] (dd01-111.compuserve.com [199.174.143.111]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id MAA08198 for <aprssig@tapr.org>; Thu,

27 Jun 1996 12:59:17 -0700
Date: Thu, 27 Jun 1996 12:59:17 -0700
Message-Id: <199606271959.MAA08198@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Mobile this weekend!
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

Karla and I are planning a trip to the National Model Railroad Association's Gateway Regional convention in St. Louis this weekend! We should depart Kansas City around 0800 Friday arriving St. Louis area around 1200! Hope to see a lot on APRS in St. Louis and in central Missouri as we run around! Our return trip is set for Saturday with a noon departure for Kansas City...

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From ke4eer@worldnet.att.net Thu Jun 27 15:15:01 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA14999 for <aprssig@tapr.org>; Thu, 27 Jun 1996 15:14:59 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id UAA14677; Thu, 27 Jun 1996 20:14:26 GMT
Received: from 15.middletown-57.va.dial-access.att.net(207.116.6.15) by mailhost.worldnet.att.net with SMTP id A14565; Thu Jun 27 20:14:16 1996
Message-ID: <31D307AA.107D@worldnet.att.net>
Date: Thu, 27 Jun 1996 15:14:02 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2455] Re: Voice REPEATERS on APRS
References: <31D2DBEC.1A6B@jericho.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> > > APRSdos REPLY COMMENT: Actually, the subject is IDEAL for APRS. I prefer to
> > think of APRS as an INFORMATION RESOURCE for mobile navigators. Some of
> > my early maps actually had our local voice repeaters on the map. APRS
> > can display the location AND RADIO RANGE of all FM voice repeaters on its
> > MAPS. This would be a nice aid for the traveler. All it takes is for
> > someone to build a BACKUP file for the repeaters in their area. Just
> > use the INPUT-ADD to add the repeaters to the map. The ANTENNA symbol.
> > Then save the file as 2mVA.bk for all VIRGINIA 2m repeaters for
> > example. Then any mobiler can LOAD or REPLAY the file and see the
> > repeaters on the map.
> >
> > This is a good example of a simple thing that APRS users can do to serve

> > their community and further demonstrate the potential of APRS.
> >
> > Be sure to enter the PHG of the voice repeaters so that their radio
> > ranges can be plotted using the MAPS-PLOTS-POWER command!
> >
> > de wb4apr@amsat.org

Great idea if it would work, but having done a Alabama repeater map for some of the folks in Alabama, that is of course still handed out at the local Ham store has so many repeaters on it that in no way would these all fit on an APRS map of that state. I doubt that i could fit all the local vice repeaters on my local map.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From assib@techunix.technion.ac.il Thu Jun 27 16:56:04 1996
Received: from techunix.technion.ac.il (assib@techunix.technion.ac.il [132.68.1.28]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA19480 for <aprssig@tapr.org>; Thu, 27 Jun 1996 16:55:55 -0500 (CDT)
Received: from localhost (assib@localhost) by techunix.technion.ac.il (8.7.5/8.6.10) with SMTP id AAA19151 for <aprssig@tapr.org>; Fri, 28 Jun 1996 00:54:45 +0300 (IDT)
Date: Fri, 28 Jun 1996 00:54:44 +0300 (IDT)
From: Assi Ben-Shalom <assib@techunix.technion.ac.il>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2445] Re: GPS-20 *HELP!
In-Reply-To: <2.2.32.19960627144543.007616e0@seism1.ess.sunysb.edu>
Message-ID: <Pine.GS0.3.93.960628004811.28835A-100000@techunix.technion.ac.il>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi,

The GPS-20 seems to have poor preformance compared with other GPSes. When I first hooked up mine I only got a fix after about 3 hours with an active antenna put in clear sky view.

Now that my GPS has built the almanc I put it on my windows where it has a pretty good sky view, with a homemade 1/4 Lambda antenna with a ground plane and it wont get a fix.

Some time ago I got to play with a Trimble ScoutMaster and on the same spot on my window it got a fix after about 15 minutes.

Yesterday, on my way home I took the GPS in my car, I mounted the homemade antenna on the dashboard and still couldnt get a fix.

Maybe we should all build active antennas ?

bye, Assi

Assi Ben-Shalom 4Z7ABA

From Al@w6dnt.ampr.org Thu Jun 27 16:59:52 1996
Received: from vk2xoc.ampr.org (vhf433.vk2xoc.ampr.org [44.4.94.32]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA19465 for <aprssig@tapr.org>; Thu, 27 Jun 1996

16:53:20 -0500 (CDT)

Received: from w6dnt.ampr.org by vk2xoc.ampr.org (TNOS2.02pl2/U) with SMTP
id AA18222 ; Thu, 27 Jun 96 09:52:29 -0700

Received: from at.w6dnt.ampr.org by w6dnt.ampr.org with SMTP
id AA3733 ; Thu, 27 Jun 96 09:51:53 -08

Date: Thu, 27 Jun 96 08:17:46 -07

Message-Id: <222@w6dnt.ampr.org>

Sender: Al@w6dnt.ampr.org (Al Chan - W6DNT)

From: Al@w6dnt.ampr.org (Al Chan - W6DNT)

Reply-To: Al@w6dnt.ampr.org

To: aprssig%tapr.org@w6dnt.ampr.org, alchan%ix.netcom.com@w6dnt.ampr.org,
alChan@aol.com@w6dnt.ampr.org, al.chan%toadhall.com@w6dnt.ampr.org

Subject: LORAN principle

A week ago, Al Chan wrote:

AC> Since we know the locations of the satellites; and we know they
AC> are broadcasting UTC time super-accurately, why not use the
AC> LORAN theory. The RATIO of the time difference (of arrival of
AC> the signals) from two satellites should give us a good
AC> hyperbola. And a third satellite will solve the ambiguity.

And then Gerald J. Creager wrote:

GC> Wrong, and wrong. We have an idea from the broadcast ephemeris
GC> where the satellites are, within 20 or so meters. That's not
GC> precise. We are concerned with which integer wavelength of the
GC> GPS signal (OK, really which chip from the SS signal, but for
GC> our purposes it's the same) we are receiving. Not just getting
GC> a time hack. And finally, the GPS NAV timing signal is broadcast
GC> in Z code, which is based in seconds since start of week. You
GC> then have to do significant table lookups and logic trails to
GC> make sure you know how many leap seconds, and when, to add 'em
GC> in.

Who is right? I was reading a book, "GPS Made Easy," by Lawrence Letham,
published by Rock Mountain Books, Canada. On page 8 ff. Chapter One, Mr.
Letham described the principle of Loran as I mentioned above. The 3rd
satellite gives the intersection of the two hyperbolas to resolve the
ambiguity; and the 4th one resolve altitude.

AC> Is there any reason why not have LORAN in the sky?

GC> Wavelength is too long? LORAN is reasonably precise for local
GC> areas without LF/MF multipath and fading, say, within 100 km of
GC> the chain. LORAN in the sky might just improve that somewhat,
GC> but maintaining the absolute and timing relationships of the
GC> stations (satellites would be interesting).

The Loran principle can be applied to microwave (1.5 GHz) as well as LF/MF.
The wavelength of 1.5 GHz is not too long. Loran DOES use timing
relationship. That's the only way Loran CAN work.

> Mean anomaly: 38.3687 deg
> Mean motion: 16.02034320 rev/day
> Decay rate: 8.21010E-04 rev/day^2
> Epoch rev: 115
> Checksum: 307
>
>
> Gil Carman

From kene@fs.loral.com Thu Jun 27 18:03:45 1996
Received: from cs.tamu.edu (clavin.cs.tamu.edu [128.194.130.106]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA22253 for <aprssig@tapr.org>; Thu, 27 Jun 1996 18:03:42 -0500 (CDT)
Received: from solar.cs.tamu.edu (solar.cs.tamu.edu [128.194.132.1]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id SAA24370 for <aprssig@tapr.org>; Thu, 27 Jun 1996 18:03:29 -0500
Received: (gerry@localhost) by solar.cs.tamu.edu (8.6.10/8.6.4) id SAA13665 for aprssig@tapr.org; Thu, 27 Jun 1996 18:01:34 -0500
Received: from amsat.org (amsat.org [128.54.16.15]) by cs.tamu.edu (8.6.10/8.6.4) with ESMTP id RAA23730 for <gerry@cs.tamu.edu>; Thu, 27 Jun 1996 17:39:35 -0500
Received: (daemon@localhost) by amsat.org (8.7.5/8.6.9) id MAA01806 for sarex-list; Thu, 27 Jun 1996 12:49:00 -0700 (PDT)
Errors-To: owner-sarex@amsat.org
Sender: gerry@cs.tamu.edu
Precedence: List
Received: from none.at.helo (medusa.fs.loral.com [158.186.88.2]) by amsat.org (8.7.5/8.6.9) with SMTP id MAA01795 for <sarex@amsat.org>; Thu, 27 Jun 1996 12:48:57 -0700 (PDT)
Received: from kevin by fs.loral.com with smtp (Smail3.1.29.1 #8) id m0uZN30-003E3IC; Thu, 27 Jun 96 15:48 EDT
Message-Id: <m0uZN30-003E3IC@fs.loral.com>
X-Sender: kene@fs.loral.com
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 27 Jun 1996 15:52:53 -0400
To: grcc@ams.gsfc.nasa.gov, ststle@spacelink.msfc.nasa.gov, sarex@amsat.org, shuttle.keps@totrbbs.atl.ga.us, slnews@spacelink.msfc.nasa.gov, lundyjd@fafb.af.mil
From: kene@fs.loral.com (Ken Ernandes)
Subject: STS-78 Rev 116 Orbital Data

STS - 78 ORBITAL DATA

Below is the current State Vector and Keplerian Elements for STS-78. The vector data comes from NASA; the orbital parameters were computed from the vector. Hourly vector updates are available from NASA GSFC OIG RAID RBBS at (301) 262-6782 or by telnet: oig1.gsfc.nasa.gov (UserID = oig / Password = goddard1).

Vector format = 117
Satellite Name: STS-78

Catalog Number: 23931 96036A
Epoch Date/Time: 96179.79171643518
06/27/1996 19:00:04.299 UTC
EFG E: -18282316 ft
F: 5889501 ft
G: 10288763 ft
Edot: -1047.19 ft/s
Fdot: -21742.65 ft/s
Gdot: 10586.89 ft/s
ndot/2 (drag): 0.00058677574 rev/day^2
nddt/6: 1.43365E-08 rev/day^3
Bstar: 9.65070E-05 1/Earth Radii
Elset #: 25
Rev @ Epoch: 116.13499195031

Launch was 20-JUN-96 / 14:49:00.093

The following Keplerian elements were computed by VEC2TLE from this vector using a 1.0 drag multiplier:

STS-78

1 23931U 96036A 96179.79171644 .00058678 14336-7 96507-4 0 252
2 23931 39.0145 321.8991 0006994 324.4579 84.1395 16.02040975 1169

Satellite: STS-78

Catalog number: 23931
Epoch time: 96179.79171644
Element set: 25
Inclination: 39.0145 deg
RA of node: 321.8991 deg
Eccentricity: 0.0006994
Arg of perigee: 324.4579 deg
Mean anomaly: 84.1395 deg
Mean motion: 16.02040975 rev/day
Decay rate: 5.86776e-04 rev/day^2
Epoch rev: 116
Checksum: 347

VEC2TLE may be downloaded from:
[ftp.amsat.org /amsat/software/PC/util](ftp://amsat.org/amsat/software/PC/util)

Ken Ernandes
n2wwd@amsat.org

From sadowski@cris.com Thu Jun 27 18:18:19 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id SAA22606 for <aprssig@tapr.org>; Thu, 27 Jun 1996 18:18:15 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/11 2.45))
id TAA02065; Thu, 27 Jun 1996 19:17:45 -0400 (EDT)
[1-800-745-2747 The Concentric Network]

Errors-To: sadowski@cris.com
Received: from LOCALNAME (cnc019046.concentric.net [206.173.35.46])
by darius.cris.com (8.7.3)
id TAA18838; Thu, 27 Jun 1996 19:17:22 -0400 (EDT)
Date: Thu, 27 Jun 1996 19:17:22 -0400 (EDT)
Message-Id: <2.2.16.19960627192046.0f173dae@pop3.cris.com>
X-Sender: sadowski@pop3.cris.com
X-Mailer: Windows Eudora Pro Version 2.2 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Paul Sadowski <sadowski@cris.com>
Subject: Re: Garmin 45

Just to let everyone know... this weekend on, Garmin GPS 45's for sale
for \$240 at boat US... \$230 if you are a member and got the flyer in
the mail... Not bad - seeing it has a BNC for an external antenna,
and the voltage regulator built in.... not to mention the case an
buttons an such.... FYI....

ALOHA

A1
AH6LS

From christen@codger.physics.duq.edu Thu Jun 27 19:15:51 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA24582 for <aprssig@tapr.org>; Thu, 27
Jun 1996 19:15:50 -0500 (CDT)
Received: from wm19.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA24462; Thu, 27 Jun 1996 20:12:34 -0400
Sender: paul@infobahn.icubed.com
Message-Id: <31D31F29.51A29A6B@codger.physics.duq.edu>
Date: Thu, 27 Jun 1996 19:54:17 -0400
From: "P. Christenson" <christen@codger.physics.duq.edu>
X-Mailer: Mozilla 3.0b4Gold (X11; I; Linux 1.2.13 i486)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2420] Re: Repeater Mapped
References: <199606270148.SAA03504@m1.sprynet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ku0g@sprynet.com wrote:

>
> Usually repeater owners have that information already OR you could contact the
> Frequency Coordinators in each state! Lat/Long information is generally required
> on all coordination applications.

Good luck.

The Western PA repeater council gives *NO* information. Period.

I've been after them for two years to find the best frequency to put my mobile repeater, which will only be used for emergencies. All I get is "There are no two meter channels available".

I've heard that other coordinators aren't so tight-lipped about such information.

From sem2r@galen.med.virginia.edu Thu Jun 27 21:20:23 1996
Received: from virginia.edu (mars.itc.Virginia.EDU [128.143.2.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA29176 for <aprssig@tapr.org>; Thu, 27 Jun 1996 21:20:22 -0500 (CDT)
Received: from avery.med.virginia.edu by mail.virginia.edu id aa07493; 27 Jun 96 22:20 EDT
Received: from default (slip-5-10.acc.Virginia.EDU [128.143.7.130]) by avery.med.Virginia.EDU (8.7.1/8.6.6) with SMTP id WAA156767 for <aprssig@tapr.org>; Thu, 27 Jun 1996 22:20:05 -0400
Message-Id: <2.2.32.19960628022007.0067a12c@avery.med.virginia.edu>
X-Sender: sem2r@avery.med.virginia.edu
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 27 Jun 1996 22:20:07 -0400
To: aprssig@tapr.org
From: "Stacey E. Mills, M.D." <sem2r@galen.med.virginia.edu>
Subject: Garmin-20, Deaf??

I've got to add my sentiments to the others re. this unit. I have a Garmin-45 with which I am quite pleased. The Garmin-20 will lock if I use an active (pre-amp) Garmin fixed-base (marine) antenna and a short (30 ft) run of coax...but conditions have to be perfect and even then the lock takes quite a while. With a 60 ft. run of mini RG-8 coax from the pre-amp on my tower GPS antenna, the Garmin-45 locks in about a minute with good to adequate signal strengths shown on 4-6 satellitesthe Garmin-20 won't lock after hours.....on my outside deck with the Garmin-45 standard antenna, I get lock in about a minute with good signal strength....put the antenna on the Garmin-20 and after multiple hours we're still not there.

I have my unit in a cast aluminum box with a BNC connector for the RF, 7805 regulator, floated with two signal diodes in series between the center (gnd) lead of the 7805 and the true ground to give an output voltage of 5.4 volts. (without floating, the voltage is 4.88 volts).

Any ideas??? Got a good design for a pre-amp??? I want the unit for APRS. I could make it work as a stationary unit for a TAC, but the sensitivity/lock-in time seems to be a major problem for mobile operation.

--de WB4QKT
Stacey E. (Chuck) Mills
E-mail: sem2r@galen.med.virginia.edu

From kc5ejk@onramp.net Thu Jun 27 21:27:14 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org

(8.7.5/8.7.3/1.9) with ESMTP id VAA29258 for <aprssig@tapr.org>; Thu, 27 Jun 1996 21:27:13 -0500 (CDT)
Received: from [199.1.11.148] (dal48.onramp.net [199.1.11.148]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id VAA17133 for <aprssig@tapr.org>; Thu, 27 Jun 1996 21:27:09 -0500 (CDT)
Message-Id: <v02130500adf8ed3f2778@[199.1.11.156]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 27 Jun 1996 21:26:57 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: [APRSSIG:2458] Re: GPS-20 *HELP!

>Now that my GPS has built the almanac I put it on my windows where it
>has a pretty good sky view, with a homemade 1/4 Lambda antenna with a
>ground plane and it wont get a fix.

I waited to get a fix for 45 min after the almanac was built then I did a power reset and got a fix in 2 min.

Do a sigplot, let it run for 2 hr and send us (FTP APRS file area) the screen save of the results of your homemade 1/4 Lambda antenna.

I guess I should say that Sigplot is a basic program and it is part of the ZIP file in the FULL DOS aprs (The APRSxxx.zip file that is over 1 meg).

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From bruninga@nadm.navy.mil Thu Jun 27 21:55:30 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA00576 for <aprssig@tapr.org>; Thu, 27 Jun 1996 21:55:29 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id WAA13587; Thu, 27 Jun 1996 22:56:25 -0400
Date: Thu, 27 Jun 1996 22:56:25 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: APRS Sarex report (4)
Message-ID: <Pine.SUN.3.91.960627224350.13341F-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

SAREX PACKET was first heard at 1130z on Wed 26 June and also on the next 2 passes. Today, the 27th, no packets were heard here on the East coast. We are still waiting on the first report of an APRS position report. Keep trying! The Shuttle Columbia callsign is W5RRR-1. The following logs what we have heard on the USA east coast and via Internet.

DAY	EDT	ZULU	COMMENTS
21	1745	2145z	Voice K04HD Fl Keys
21		2238z	Voice Guiccone San Diego, and W5GEL Texas
22	0915	1315z	through 1400 on 23 June nothing heard on 9 passes
23	1535	1935z	voice heard in S. Fla
23		2110z	Voice heard in Calif
24	0740	1140z	nothing heard on next 4 passes
24	1355	1755z	voice reported in Texas
24	1530	1930z	nothing heard on next 3 passes
25	1045	1445z	I missed the pass
25	1230	1620z	Voice over usa. They said Packet soon!
25	1400	1750z	Voice over USA
26	0730	1130z	Packet reported fm Alabama
26	0904	1304z	Packet reported in Houston & East coast
26	1350	1750z	packets over USA
26	1500	1900z	?
27	0740	1140z	nothing heard
27	0910	1310z	nothing heard
27	1040	1540z	voice heard
27	1210	1710z	voice heard
27	1345	1745z	voice heard
27	1510	1910z	?

Remember, in SPACE mode, the GRID SQUARE POSIT is inserted in your BEACON. Do not send any APRS packets except your BEACON. Use the XMIT-BEACON command. Do not send APRS messages!

Later when things calm down, sending your POSIT might be OK, but that is a much longer packet and is not needed if you send a SPACE MODE BEACON. The SPACE MODE BEACON will put you on the map (using the gridsquare format)

de wb4apr@amsat.org

From ku0g@sprynet.com Thu Jun 27 22:37:27 1996
 Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA02014 for <aprssig@tapr.org>; Thu, 27 Jun 1996 22:37:24 -0500 (CDT)
 From: ku0g@sprynet.com
 Received: from [199.174.143.111] (dd01-111.compuserve.com [199.174.143.111]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id UAA01733 for <aprssig@tapr.org>; Thu,

27 Jun 1996 20:35:12 -0700
Date: Thu, 27 Jun 1996 20:35:12 -0700
Message-Id: <199606280335.UAA01733@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Mobile Trip Cancelled.
To: aprssig@tapr.org
X-Mailer: SPRY Mail Version: 04.00.06.21

Due to circumstances over which I have absolutely no control, we will NOT be going mobile to St. Louis this weekend.

Best 73,
Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From rwf@mindspring.com Fri Jun 28 00:40:42 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA11652 for <aprssig@tapr.org>; Fri, 28 Jun 1996 00:40:40 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id BAA29464 for <aprssig@tapr.org>; Fri, 28 Jun 1996 01:40:30 -0400
Message-Id: <2.2.32.19960628054134.009d60d8@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 28 Jun 1996 01:41:34 -0400
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2454] APRS QSL cards

KU0G wrote:

>To see the following diagram in its proper format, expand your message window to
>full-screen...
>

And don't to forget to select a monospaced font as well. Proportional spaced ones will screw up the pic.

From gwyn@paccomm.com Fri Jun 28 05:42:21 1996
Received: from paccomm.com (paccomm.com [163.125.30.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA19005 for <aprssig@tapr.org>; Fri, 28 Jun 1996 05:42:12 -0500 (CDT)
Received: from gwyn.paccomm.com by paccomm.com with smtp (Smail3.1.29.1 #1) id m0uZb06-000FPWC; Fri, 28 Jun 96 06:42 EDT
Received: by gwyn.paccomm.com with Microsoft Mail id <01BB64BC.CED7D0A0@gwyn.paccomm.com>; Fri, 28 Jun 1996 06:41:16 -0400

Message-ID: <01BB64BC.CED7D0A0@gwyn.paccomm.com>
From: Gwyn Reedy <gwyn@paccomm.com>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: [APRSSIG:2436] GPS Sentences & APRS
Date: Fri, 28 Jun 1996 06:41:14 -0400
Encoding: 32 TEXT

From: schiers@ames.net[SMTP:schiers@ames.net]
Sent: Thursday, June 27, 1996 4:01 AM
To: aprssig@tapr.org
Subject: [APRSSIG:2436] GPS Sentences & APRS

.....

My questions:

1. Will the pico packets gps mode support this other sentence?

YOU CAN SPECIFY ANY SENTENCE YOU LIKE - IT DEFAULTS TO \$GPGGA. CODE NOW IN PRELIMINARY TESTING WILL ALLOW YOU TO SPECIFY UP TO FOUR DIFFERENT SENTENCES TO BE TRANSMITTED.

2. Will the Garmin output this sentence?

What changes will I need to make to the pico and Garmin parms in order to achieve this?

FOR THE PICOPACKET: GIVE THE COMMAND GPSTEXT FOLLOWED BY THE STRING YOU WISH TO BE USED. FOR EXAMPLE: GPSTEXT \$GPXYZ <CR>

NOTE TO THE PROTOCOL POLICE: I'M RESPONDING IN UPPER CASE TO DIFFERENTIATE MY RESPONSES FROM HASAN'S TEXT. USING MS EXCHANGE IN 'FORWARD' MODE INSTEAD OF 'REPLY' MODE TO AVOID THE UNWANTED WINMAIL.DAT ATTACHMENT.

From ke4eer@worldnet.att.net Fri Jun 28 06:42:53 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA20731 for <aprssig@tapr.org>; Fri, 28 Jun 1996 06:42:51 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id LAA20775; Fri, 28 Jun 1996 11:42:17 GMT
Received: from 150.middletown-57.va.dial-access.att.net(207.116.6.150) by mailhost.worldnet.att.net with SMTP id A20727; Fri Jun 28 11:42:14 1996
Message-ID: <31D3E134.5A2C@worldnet.att.net>
Date: Fri, 28 Jun 1996 06:42:12 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0
To: aprssig@tapr.org
Subject: STS-78
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well it made another pass this orning in packet mode. sure seen a lot of stations getting conformation, but when i went to do a (F)ile (S)ave APRS chrashed to Dos. I'm using version 76e beta. Also if nobody seen my gridsquare on APRS then it must not be working Hi. I can't really tell because half the pass i transmitted then switched to receive for the other half. And yes i did have it in space mode and hit the X-B to tx. Is there any way to tell if you in fact are in the correct mode?, on the upper left it sez Armed!. By the way didn't see anyone on the APRS map.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From b.gotshall@worldnet.att.net Fri Jun 28 07:47:20 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id HAA22559 for <aprssig@tapr.org>; Fri, 28 Jun 1996 07:47:18 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id MAA25778; Fri, 28 Jun 1996 12:46:43 GMT
Received: from 131.orlando-2.fl.dial-access.att.net(199.70.197.131) by mailhost.worldnet.att.net with SMTP id A25741; Fri Jun 28 12:46:22 1996
Message-ID: <31D3EF6A.7505@worldnet.att.net>
Date: Fri, 28 Jun 1996 07:42:50 -0700
From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
X-Mailer: Mozilla 2.01E (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2462] Re: Garmin 45
References: <2.2.16.19960627192046.0f173dae@pop3.cris.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Sadowski wrote:

>
> Just to let everyone know... this weekend on, Garmin GPS 45's for sale
> for \$240 at boat US... \$230 if you are a member and got the flyer in
>
> Al
> AH6LS

Magellan is a better deal since it INCLUDES bracket and cable which is almost \$50 extra with Garman 45. Same store.

Bud (WB4LTF)

From schiers@ames.net Fri Jun 28 08:08:01 1996

Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id IAA23484 for <aprssig@tapr.org>; Fri, 28 Jun 1996
08:08:00 -0500 (CDT)

From: schiers@ames.net

Message-Id: <199606281308.IAA23484@tapr.org>

Received: from [206.29.126.237] by ames.net id 40e10.wrk; Fri, 28 Jun 1996
08:07:04 -0600

Date: Fri, 28 Jun 96 08:04:33 -0500

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2469] GPS Sentences & APRS

In-Reply-To: <722233@bbs.ames.net>

X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.04

In <722233@bbs.ames.net>, on 06/28/96 at 07:16 AM,
aprssig@tapr.org said:

>1. Will the pico packets gps mode support this other sentence?

>YOU CAN SPECIFY ANY SENTENCE YOU LIKE - IT DEFAULTS TO \$GPGGA. CODE NOW
>IN PRELIMINARY TESTING WILL ALLOW YOU TO SPECIFY UP TO FOUR DIFFERENT
>SENTENCES TO BE TRANSMITTED.

There was no signature on this message, so I don't know who to thank. In
case is was Gwynn, let me say:

Setup: Garmin 45, PicoPacket (1 port) , BlackJack dash antenna (KU0G):

1. I have it working perfectly now with GPSTEXT set to \$GPRMC. 2. The pico
packet is one of the nicest tnc's I have ever used. 3. Service at PacComm
is outstanding (customer support).

73,

hasan schiers, NOAN--

schiers@ames.net

From ke4eer@worldnet.att.net Fri Jun 28 08:12:48 1996

Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA23582 for
<aprssig@tapr.org>; Fri, 28 Jun 1996 08:12:45 -0500 (CDT)

Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)

id NAA17263; Fri, 28 Jun 1996 13:12:07 GMT

Received: from 169.middletown-57.va.dial-access.att.net(207.116.6.169)
by mailhost.worldnet.att.net with SMTP

id A17194; Fri Jun 28 13:11:37 1996

Message-ID: <31D3F626.21A5@worldnet.att.net>

Date: Fri, 28 Jun 1996 08:11:34 -0700

From: William Nolle <ke4eer@worldnet.att.net>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: STS-78
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Another packet pass this mning at 7:59am. Let me know if there was anybody watching heir APRS screen.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From schiers@ames.net Fri Jun 28 08:16:38 1996
Received: from bbs.ames.net (ames.net [206.29.126.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA23610 for <aprssig@tapr.org>; Fri, 28 Jun 1996 08:16:36 -0500 (CDT)
From: schiers@ames.net
Message-Id: <199606281316.IAA23610@tapr.org>
Received: from [206.29.126.237] by ames.net id 41f00.wrk; Fri, 28 Jun 1996 08:15:32 -0600
Date: Fri, 28 Jun 96 08:14:55 -0500
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2457] Re: Voice REPEATERS on APRS
In-Reply-To: <721766@bbs.ames.net>
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.04

In <721766@bbs.ames.net>, on 06/27/96 at 04:54 PM,
aprssig@tapr.org said:

> I doubt that i could fit all the local vice repeaters on my local map.
 ^^^^

This quote from EER is just tooooo juicy to pass up.

No wonder we have a crime problem.

hasan schiers, NOAN--

schiers@ames.net

From bruninga@nadm.navy.mil Fri Jun 28 08:42:27 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA24638 for <aprssig@tapr.org>; Fri, 28 Jun 1996 08:42:25 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id JAA04141; Fri, 28 Jun 1996 09:43:24 -0400
Date: Fri, 28 Jun 1996 09:43:24 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: APRS Sarex report (5)
Message-ID: <Pine.SUN.3.91.960628092915.1451A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This morning's 0730 EDT (1130z) pass was the best for packet so far. I copied 22 SAREX packets but still no APRS position reports were seen. Nothing was heard on the next 0905 EDT pass. We are still waiting on the first report of an APRS position report. Keep trying! The Shuttle Columbia callsign is W5RRR-1. Here is the updated log for the East Coast:

DAY	EDT	ZULU	COMMENTS
21	1745	2145z	Voice K04HD Fl Keys
21		2238z	Voice Guiccone San Diego, and W5GEL Texas
22	0915	1315z	through 1400 on 23 June nothing heard on 9 passes
23	1535	1935z	voice heard in S. Fla
23		2110z	Voice heard in Calif
24	0740	1140z	nothing heard on next 4 passes
24	1355	1755z	voice reported in Texas
24	1530	1930z	nothing heard on next 3 passes
25	1045	1445z	I missed the pass
25	1230	1620z	Voice over usa. They said Packet soon!
25	1400	1750z	Voice over USA
26	0730	1130z	Packet reported fm Alabama
26	0904	1304z	Packet reported in Houston & East coast
26	1350	1750z	packets over USA
26	1500	1900z	? (I missed it. Anyone else have a report?)
27	0725	1125z	nothing heard this pass and the 0900 EDT pass
27	1035	1435z	voice heard on this and 1610z, and 1745z passes
27	1510	1910z	? (i missed it. Anyone else have a report?)
28	0725	1125z	22 packets copied in Maryland
28	0900	1300z	nothing heard

Remember, in SPACE mode, the GRID SQUARE POSIT is inserted in your BEACON. Do not send any APRS packets except your BEACON. Use the XMIT-BEACON command. Do not send APRS messages!

Look on the ALL-BEACONS page to see the list of separate packets heard. Unfortunately it does not show the TO callsin, but it does give more information than the LATEST and D pages show.

Later when things calm down, sending your POSIT might be OK, but that is a much longer packet and is not needed if you send a SPACE MODE BEACON. The SPACE MODE BEACON will put you on the map (using the gridsquare format)

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Fri Jun 28 08:51:15 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA25299 for <aprssig@tapr.org>; Fri, 28 Jun 1996 08:51:14 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id JAA04854; Fri, 28 Jun 1996 09:52:12 -0400
Date: Fri, 28 Jun 1996 09:52:12 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2464] Garmin-20, Deaf??
In-Reply-To: <2.2.32.19960628022007.0067a12c@avery.med.virginia.edu>
Message-ID: <Pine.SUN.3.91.960628094634.1451B-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I looked up the specs for the GPS-20, and it is supposed to have a sensitivity of -166 dBW minimum. This is 6 dB better than their TRACKPAC models (-160 dBW). There are 3 people that have reported difficulty in getting a FIX with their GPS-20's. (Probably half of the users have not finished putting their units together yet.)

How many of you have your GPS-20 hooked up and ARE getting good sensitivity and fixes?

Reply to me direct, and BRIEFLY (1 screen) and I will summarize.

de wb4apr@amsat.org

From Clarke_Tom%PAX6@mr.nawcad.navy.mil Fri Jun 28 09:02:42 1996
Received: from paxmb1.nawcad.navy.mil (paxmb1.nawcad.navy.mil [140.229.16.60]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA25520 for <aprssig@tapr.org>; Fri, 28 Jun 1996 09:02:39 -0500 (CDT)
From: Clarke_Tom%PAX6@mr.nawcad.navy.mil
Received: from MR.NAWCAD.NAVY.MIL by PAXMB1.NAWCAD.NAVY.MIL (PMDF V5.0-5 #5358) id <01I6FSA8UKF4000D2X@PAXMB1.NAWCAD.NAVY.MIL> for aprssig@tapr.org; Fri, 28 Jun 1996 10:00:54 -0400 (EDT)
Received: with PMDF-MR; Fri, 28 Jun 1996 09:56:00 -0400 (EDT)
MR-Received: by mta PAXMB1; Relayed; Fri, 28 Jun 1996 10:00:44 -0400
Alternate-recipient: prohibited
Date: Fri, 28 Jun 1996 09:56:00 -0400 (EDT)
Subject: RE: [APRSSIG:2470] STS-78
To: aprssig@tapr.org
Message-id: <PAX6/A0023305/P04/PAXMB1*@MHS>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT
Posting-date: Fri, 28 Jun 1996 09:56:00 -0400 (EDT)
Importance: normal
Priority: normal

X400-MTS-identifier: [;PAX6/A0023305/P04/PAXMB1]
A1-type: MAIL
Hop-count: 1

I am glad to see that I am not the only one experiencing such problems. I had my machine on for several days and nothing appeared except the "armed" indicator! Wouldn't you know it on the way to work this morning I heard packets on 145.55 as my HT scanned past! I wonder if there is a change needed to the filter setting? Good luck de Tom Clarke W4OKW, Pax River, MD.

|From: "aprssig@tapr.org"@PMDf@PAXMB1
|To: clarke tom; "aprssig@tapr.org"@PMDf@PAXMB1
|Subject: [APRSSIG:2470] STS-78
|Date: Friday, June 28, 1996 8:37AM

|
|<<File Attachment: 00000000.TXT>>
|Well it made another pass this orning in packet mode. sure seen a lot of
|stations getting conformation, but when i went to do a (F)ile (S)ave APRS
|chrashed to Dos. I'm using version 76e beta. Also if nobody seen my
|gridsquare on APRS then it must not be working Hi. I can't really tell
|because half the pass i transmitted then switched to receive for the
|other half. And yes i did have it in space mode and hit the X-B to tx. Is
|there any way to tell if you in fact are in the correct mode?, on the
upper left it sez Armed!. By the way didn't see anyone on the APRS map.
Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From cdavidso@hemisphere.neocomm.net Fri Jun 28 09:24:13 1996
Received: from hemisphere.neocomm.net (root@hemisphere.neocomm.net
[205.160.234.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA26643 for
<aprssig@tapr.org>; Fri, 28 Jun 1996 09:24:10 -0500 (CDT)
Received: from Axton (ppp40.neocomm.net [205.160.234.40]) by
hemisphere.neocomm.net (8.6.11/8.6.9) with SMTP id KAA00574 for
<aprssig@tapr.org>; Fri, 28 Jun 1996 10:24:11 -0400
Message-Id: <199606281424.KAA00574@hemisphere.neocomm.net>
Comments: Authenticated sender is <cdavidso@hemisphere.neocomm.net>
From: "Charles W. Davidson" <cdavidso@hemisphere.neocomm.net>
Organization: Axton Acme
To: aprssig@tapr.org
Date: Fri, 28 Jun 1996 10:19:53 +0000
Subject: STS-78
Reply-to: cdavidso@hemisphere.neocomm.net
Priority: normal
X-mailer: Pegasus Mail for Windows (v2.01)

I heard two packet from the shuttle this morning about 07:30.

w5rrr-1*>n3cxp:#337-is your STS-78 QSO number.

w5rrrr-1*>SAREX:#336-is your STS-78 QSO number.

My kepplarian data (latest data 1 days old) put the shuttle over Australia about 07:30 ???

Space mode is armed an ready!!

cdavidso@neocomm.net
http://www.neocomm.net/~cdavidso/
WB4PAN@WB4QOJ.VA.USA.NOAM

From ke4eer@worldnet.att.net Fri Jun 28 09:50:09 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA27874 for <aprssig@tapr.org>; Fri, 28 Jun 1996 09:50:07 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id OAA24669; Fri, 28 Jun 1996 14:49:32 GMT
Received: from 136.bridgeton-3.mo.dial-access.att.net(199.69.38.136) by mailhost.worldnet.att.net with SMTP id A24426; Fri Jun 28 14:49:10 1996
Message-ID: <31D40D00.2759@worldnet.att.net>
Date: Fri, 28 Jun 1996 09:49:04 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2475] APRS Sarex report (5)
References: <Pine.SUN.3.91.960628092915.1451A-100000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> This morning's 0730 EDT (1130z) pass was the best for packet so far. I
> copied 22 SAREX packets but still no APRS position reports were seen.
> Nothing was heard on the next 0905 EDT pass. We are still waiting on the
> first report of an APRS position report. Keep trying! The Shuttle
> Columbia callsign is W5RRR-1. Here is the updated log for the East
> Coast:
>
> DAY EDT ZULU COMMENTS
> ----- -----
> 21 1745 2145z Voice K04HD Fl Keys
> 21 2238z Voice Guiccone San Diego, and W5GEL Texas
> 22 0915 1315z through 1400 on 23 June nothing heard on 9 passes
> 23 1535 1935z voice heard in S. Fla
> 23 2110z Voice heard in Calif
> 24 0740 1140z nothing heard on next 4 passes
> 24 1355 1755z voice reported in Texas END FIELD DAT
> 24 1530 1930z nothing heard on next 3 passes
> 25 1045 1445z I missed the pass
> 25 1230 1620z Voice over usa. They said Packet soon!
> 25 1400 1750z Voice over USA

> 26 0730 1130z Packet reported fm Alabama
 > 26 0904 1304z Packet reported in Houston & East coast
 > 26 1350 1750z packets over USA
 > 26 1500 1900z ? (I missed it. Anyone else have a report?)
 > 27 0725 1125z nothing heard this pass and the 0900 EDT pass
 > 27 1035 1435z voice heard on this and 1610z, and 1745z passes
 > 27 1510 1910z ? (i missed it. Anyone else have a report?)
 > 28 0725 1125z 22 packets copied in Maryland
 > 28 0900 1300z nothing heard
 >
 > Remember, in SPACE mode, the GRID SQUARE POSIT is inserted in your
 > BEACON. Do not send any APRS packets except your BEACON. Use the
 > XMIT-BEACON command. Do not send APRS messages!
 >
 > Look on the ALL-BEACONS page to see the list of separate packets heard.
 > Unfortunately it does not show the TO callsin, but it does give more
 > information than the LATEST and D pages show.
 >
 > Later when things calm down, sending your POSIT might be OK, but that is
 > a much longer packet and is not needed if you send a SPACE MODE BEACON.
 > The SPACE MODE BEACON will put you on the map (using the gridsquare format)
 >
 > de wb4apr@amsat.org

Sorry Bob but i don't think APRS is working, i know i had no problem
 contacting the shuttle (Like before Hi) so it should have sent my gridsquare.

--

Bill KE4EER
 ke4eer@worldnet.att.net
 ke4eer@amsat.org

From bruninga@nadm.navy.mil Fri Jun 28 09:50:53 1996
 Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
 tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA27892 for <aprssig@tapr.org>; Fri, 28
 Jun 1996 09:50:52 -0500 (CDT)
 Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
 KAA12412; Fri, 28 Jun 1996 10:51:50 -0400
 Date: Fri, 28 Jun 1996 10:51:50 -0400 (EDT)
 From: Bob Bruninga <bruninga@nadm.navy.mil>
 To: aprssig@tapr.org
 Subject: Re: [APRSSIG:2473] STS-78
 In-Reply-To: <31D3F626.21A5@worldnet.att.net>
 Message-ID: <Pine.SUN.3.91.960628104848.1451H-1000000@arctic>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Jun 1996, William Nolle wrote:

> Another packet pass this mning at 7:59am. Let me know if there was
 > anybody watching heir APRS screen.

APRSDos REPLY COMMENT: Really? I didnt hear any. But I am frsutrated by

a 150 foot coax run, local pagers, and the fact that my PA amp (with receive pre-amp) smoked yesterday. SO I am listiening with somewhat poor ears.. PS congratulations on at least one packet even though no one has reported a POSIT yet.

Why cant you set two memories, one to 145.55 and one to 144.49 and switch to the UPLINK when you hit X-B and leave it on DOWNLINK inbetween?

de wb4apr@amsat.org

From w5rkn@amsat.org Fri Jun 28 10:08:41 1996
Received: from zoom.bga.com (root@zoom.realtime.net [205.238.128.40]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA28604 for <aprssig@tapr.org>; Fri, 28 Jun 1996 10:08:39 -0500 (CDT)
Received: from [204.251.33.79] (jake-6o.ip.realtime.net [204.251.33.79]) by zoom.bga.com (8.6.12/8.6.12) with SMTP id KAA22422; Fri, 28 Jun 1996 10:08:33 -0500
X-Sender: rparsons@mailserv.bga.com
Message-Id: <v02140b00adf9a3d84f6b@[204.251.33.73]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 28 Jun 1996 10:08:21 -0500
To: aprssig@tapr.org
From: w5rkn@amsat.org (Ronald G. Parsons)
Subject: Re: Garmin-20, Deaf??
Cc: "Stacey E. Mills, M.D." <sem2r@galen.med.virginia.edu>

Stacey,

I just finished two GPS-20 units in a cast aluminum boxes (with a PicoPacket attached to the inside of the lid). Initial fix under trees (using the Trimble antenna from PacComm) took 15 min on one and 10 min on the other. Now get fix on either unit in 1-2 min under trees if unit has been off a day or two and in about 20 secs if unit has been off for a short time.

Performance almost identical to my Garmin GPS 45 using the same antenna in same location.

Using 7805 barefoot (5.1 V on one and 4.95 on other).

Ron W5RKN

>Date: Thu, 27 Jun 1996 22:20:07 -0400
>From: "Stacey E. Mills, M.D." <sem2r@galen.med.virginia.edu>
>To: aprssig@tapr.org
>Subject: Garmin-20, Deaf??
>Message-ID: <2.2.32.19960628022007.0067a12c@avery.med.virginia.edu>
>
>I've got to add my sentiments to the others re. this unit. I have a
>Garmin-45 with which I am quite pleased. The Garmin-20 will lock if I use

>an active (pre-amp) Garmin fixed-base (marine) antenna and a short (30 ft)
>run of coax...but conditions have to be perfect and even then the lock takes
>quite a while. With a 60 ft. run of mini RG-8 coax from the pre-amp on my
>tower GPS antenna, the Garmin-45 locks in about a minute with good to
>adequate signal strengths shown on 4-6 satellitesthe Garmin-20 won't
>lock after hours.....on my outside deck with the Garmin-45 standard
>antenna, I get lock in about a minute with good signal strength....put the
>antenna on the Garmin-20 and after multiple hours we're still not there.
>
>I have my unit in a cast aluminum box with a BNC connector for the RF, 7805
>regulator, floated with two signal diodes in series between the center (gnd)
>lead of the 7805 and the true ground to give an output voltage of 5.4 volts.
>(without floating, the voltage is 4.88 volts).
>
>Any ideas??? Got a good design for a pre-amp??? I want the unit for APRS.
>I could make it work as a stationary unit for a TAC, but the
>sensitivity/lock-in time seems to be a major problem for mobile operation.
>-----
>--de WB4QKT
>Stacey E. (Chuck) Mills
>E-mail: sem2r@galen.med.virginia.edu

From jhaskell@iquest.net Fri Jun 28 10:29:39 1996
Received: from iquest.net (iquest4.iquest.net [206.53.230.100]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA29565 for <aprssig@tapr.org>; Fri, 28 Jun 1996
10:29:34 -0500 (CDT)
Received: from ind-001-236-81.iquest.net by iquest.net with smtp
(Smail3.1.29.1 #5) id m0uZfUA-00495iC; Fri, 28 Jun 96 10:29 EST
Message-Id: <m0uZfUA-00495iC@iquest.net>
Date: Fri, 28 Jun 96 10:29 EST
X-Sender: jhaskell@pop.iquest.net
X-Mailer: Windows Eudora Version 1.4.4
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: jhaskell@iquest.net (Jon R. Haskell)
Subject: 1278 TNC

I am having difficulty in getting the APRS and my older 1278 to communicate.
Since the MFG documentation refers to using a 7 Bit setting, I have been
using that parameter and adjusting the others. A local ham said he could
never get APRS to operate with 7 Bit and suggested I use 8 Bit....problem
is, I can't seem to force the 1278 to operate with that parameter...aarrgh!
Any body been there, done it, and got the T-shirt, using an older 1278?
Jon KB9CML

From stevew@eng.adaptec.com Fri Jun 28 10:32:32 1996
Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA29637 for <aprssig@tapr.org>; Fri, 28
Jun 1996 10:32:31 -0500 (CDT)
Received: from eng.adaptec.com ([162.62.20.6]) by milpitas.adaptec.com (4.1/
SMI-4.1)

id AA19894; Fri, 28 Jun 96 08:29:20 PDT
Received: from kona by eng.adaptec.com (4.1/SMI-4.1)
id AA24677; Fri, 28 Jun 96 08:33:52 PDT
Date: Fri, 28 Jun 96 08:33:52 PDT
From: steve@eng.adaptec.com (Steve Wilson x2388)
Message-Id: <9606281533.AA24677@eng.adaptec.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2463] Re: Repeater Mapped

christen@codger.physics.duq.edu wrote
>
> The Western PA repeater council gives *NO* information. Period.
>
> I've been after them for two years to find the best frequency to put my mobile
> repeater, which will only be used for emergencies. All I get is "There are no
> two meter channels available".
>
> I've heard that other coordinators aren't so tight-lipped about such
> information.

Uhm...I would suspect that our local coordination group is as tight
lipped as you are suggesting. NARCC which coordinates Northern CA
has a policy of keeping their dbase completely private. They only
release a portion of it too the league each year for the repeater
directory.

I'll wager that this policy is more pervasive than you imagine.

Steve KA6S

From kc4zgg@ix.netcom.com Fri Jun 28 10:55:11 1996
Received: from dfw-ix12.ix.netcom.com (dfw-ix12.ix.netcom.com [206.214.98.12]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA00817 for <aprssig@tapr.org>; Fri, 28
Jun 1996 10:55:10 -0500 (CDT)
Received: from (kc4zgg@mac-ga1-11.ix.netcom.com [205.186.69.43]) by dfw-
ix12.ix.netcom.com (8.6.13/8.6.12) with SMTP id IAA11541 for <aprssig@tapr.org>;
Fri, 28 Jun 1996 08:54:52 -0700
Date: Fri, 28 Jun 1996 08:54:52 -0700
Message-Id: <199606281554.IAA11541@dfw-ix12.ix.netcom.com>
From: kc4zgg@ix.netcom.com (JOHN F. KRAUS II)
Subject: Garmin 45 vs Magellen trailblazer
To: aprssig@tapr.org

Good morning to the sig.

I have a couple of questions about the garmin 45 vs the magellen
trailblazer. I have a tracker built and plan to use it mobile as soon
as a permanant wide-relay digi is online [waiting for crystals now].
However I am still undecided as to which gps unit I will buy

1: Does the Magellen have the 99km limit ?

2: What is the battery life IE how may days/ positions can I expect

from a set of batteries. I plan to use it for hiking and backpacking as well as a stand alone tracker with a kpc-3.

- 3: I would appreciate any comments from owners of each unit concerning their personal opinions on durability, customer support, ease of use, and overall satisfaction with the unit.

Please reply directly to me via e-mail unless the answer is of use to the sig. The addresses are below.

Please send e-mail to

<KC4ZGQ@IX.NETCOM.COM> or <JKHAM@DELPHI.COM> John F. Kraus II RN

From Clarke_Tom%PAX6@mr.nawcad.navy.mil Fri Jun 28 11:30:28 1996
Received: from paxmb1.nawcad.navy.mil (paxmb1.nawcad.navy.mil [140.229.16.60]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA02261 for <aprssig@tapr.org>; Fri, 28 Jun 1996 11:30:26 -0500 (CDT)
From: Clarke_Tom%PAX6@mr.nawcad.navy.mil
Received: from MR.NAWCAD.NAVY.MIL by PAXMB1.NAWCAD.NAVY.MIL (PMDF V5.0-5 #5358) id <01I6FXFIQ540000NL3@PAXMB1.NAWCAD.NAVY.MIL> for aprssig@tapr.org; Fri, 28 Jun 1996 12:28:41 -0400 (EDT)
Received: with PMDF-MR; Fri, 28 Jun 1996 12:26:00 -0400 (EDT)
MR-Received: by mta PAXMB1; Relayed; Fri, 28 Jun 1996 12:28:16 -0400
Alternate-recipient: prohibited
Date: Fri, 28 Jun 1996 12:26:00 -0400 (EDT)
Subject: RE: [APRSSIG:2475] APRS Sarex report (5)
To: aprssig@tapr.org
Message-id: <PAX6/A0023375/P04/PAXMB1*@MHS>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT
Posting-date: Fri, 28 Jun 1996 12:26:00 -0400 (EDT)
Importance: normal
Priority: normal
X400-MTS-identifier: [;PAX6/A0023375/P04/PAXMB1]
A1-type: MAIL
Hop-count: 1

I wonder if the digi is enabled?

Tom Clarke (The "other" Tom Clarke, hereabouts), W40KW
clarke_tom%pax6@mr.nawcad.navy.mil

|From: "aprssig@tapr.org"@PMDf@PAXMB1
|To: clarke tom; "aprssig@tapr.org"@PMDf@PAXMB1
|Subject: [APRSSIG:2475] APRS Sarex report (5)
|Date: Friday, June 28, 1996 11:15AM
|

|<<File Attachment: 00000000.TXT>>

|This morning's 0730 EDT (1130z) pass was the best for packet so far. I
|copied 22 SAREX packets but still no APRS position reports were seen.

|Nothing was heard on the next 0905 EDT pass. We are still waiting on the
|first report of an APRS position report. Keep trying! The Shuttle
|Columbia callsign is W5RRR-1. Here is the updated log for the East
|Coast:

DAY	EDT	ZULU	COMMENTS
21	1745	2145z	Voice K04HD Fl Keys
21		2238z	Voice Guiccone San Diego, and W5GEL Texas
22	0915	1315z	through 1400 on 23 June nothing heard on 9 passes
23	1535	1935z	voice heard in S. Fla
23		2110z	Voice heard in Calif
24	0740	1140z	nothing heard on next 4 passes
24	1355	1755z	voice reported in Texas
24	1530	1930z	nothing heard on next 3 passes
25	1045	1445z	I missed the pass
25	1230	1620z	Voice over usa. They said Packet soon!
25	1400	1750z	Voice over USA
26	0730	1130z	Packet reported fm Alabama
26	0904	1304z	Packet reported in Houston & East coast
26	1350	1750z	packets over USA
26	1500	1900z	? (I missed it. Anyone else have a report?)
27	0725	1125z	nothing heard this pass and the 0900 EDT pass
27	1035	1435z	voice heard on this and 1610z, and 1745z passes
27	1510	1910z	? (i missed it. Anyone else have a report?)
28	0725	1125z	22 packets copied in Maryland
28	0900	1300z	nothing heard

|Remember, in SPACE mode, the GRID SQUARE POSIT is inserted in your
|BEACON. Do not send any APRS packets except your BEACON. Use the
|XMIT-BEACON command. Do not send APRS messages!

|Look on the ALL-BEACONS page to see the list of separate packets heard.
|Unfortunately it does not show the TO callsin, but it does give more
|information than the LATEST and D pages show.

|Later when things calm down, sending your POSIT might be OK, but that is
|a much longer packet and is not needed if you send a SPACE MODE BEACON.
|The SPACE MODE BEACON will put you on the map (using the gridsquare format)

|de wb4apr@amsat.org

|

From jagrelo@cris.com Fri Jun 28 11:31:53 1996
Received: from franklin.cris.com (franklin.cris.com [199.3.12.31]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id LAA02335 for <aprssig@tapr.org>; Fri, 28 Jun 1996
11:31:51 -0500 (CDT)
Received: from darius.cris.com (darius [199.3.12.32])
by franklin.cris.com (8.7.5/(96/06/11 2.45))
id MAA02168; Fri, 28 Jun 1996 12:30:59 -0400 (EDT)
[1-800-745-2747 The Concentric Network]
Errors-To: jagrelo@cris.com
Received: from crc3.pop3.net (cnc059045.concentric.net [206.83.77.45])
by darius.cris.com (8.7.3)
id MAA13164; Fri, 28 Jun 1996 12:30:05 -0400 (EDT)
Message-ID: <31D433B6.ECE@concentric.net>
Date: Fri, 28 Jun 1996 12:34:14 -0700
From: Joseph Agrelo <jagrelo@cris.com>
Organization: Agrelo Engineering
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2476] Re: Garmin-20, Deaf??
References: <Pine.SUN.3.91.960628094634.1451B-100000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> I looked up the specs for the GPS-20, and it is supposed to have a
> sensitivity of -166 dBW minimum. This is 6 dB better than their TRACKPAC
> models (-160 dBW). There are 3 people that have reported difficulty in
> getting a FIX with their GPS-20's. (Porbably half of the usrs have not
> finished putting their units together yet.)
>
> How many of you have your GPS-20 hooked up an ARE getting good sesnsitivity
> and fixes?
>
> Reply to me direct, and BRIEFLY (1 screen) and I will summarize.
>
> de wb4apr@amsat.org

I'm using my GPS-20 with the PacComm/Trimble \$50 active antenna and it works
perfect, satelite acquisition time is even better than I expected.

My *uneducated* guess would be a antenna problem.

73 De Joe N200C

XX

Agrelo Engineering
Joe Agrelo/President
1145 Catalyn St. Schenectady, NY 12303 USA
(518)381-1057
(518)381-1058

E-Mail: Jagrelo@concentric.net
WEB: http://home.navisoft.com/agrelo/ae.htm
Designer & Manufacturer of intelligent microprocessor
based Doppler and talking products
Experts in Microchip & Motorola processors
XX

From cbuttsch@slonet.org Fri Jun 28 11:40:39 1996
Received: from spork.callamer.com (cbuttsch@spork.callamer.com [199.74.141.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id LAA02918 for <aprssig@tapr.org>; Fri, 28 Jun 1996 11:40:37 -0500 (CDT)
Received: from localhost (cbuttsch@localhost) by spork.callamer.com (8.7.5/8.7.3) with SMTP id JAA26535; Fri, 28 Jun 1996 09:38:08 -0700 (PDT)
Date: Fri, 28 Jun 1996 09:38:08 -0700 (PDT)
From: Clifford Buttschardt <cbuttsch@slonet.org>
X-Sender: cbuttsch@spork.callamer.com
To: "Ronald G. Parsons" <w5rk@amsat.org>
cc: aprssig@tapr.org
Subject: Re: [APRSSIG:2481] Re: Garmin-20, Deaf??
In-Reply-To: <v02140b00adf9a3d84f6b@[204.251.33.73]>
Message-ID: <Pine.SOL.3.93.960628093606.25896A-100000@spork.callamer.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good comments regarding the Garmin 20. I too need a preamp and a filter I would think. The MAR 6 does not now seem the best answer but at least a start. Can either of you tell me what the INITIAL lockup time was for your Garmin 20 without a pre-amp and with clear sky horizon? Cliff K7RR

From cbuttsch@slonet.org Fri Jun 28 12:10:02 1996
Received: from spork.callamer.com (cbuttsch@spork.callamer.com [199.74.141.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA04045 for <aprssig@tapr.org>; Fri, 28 Jun 1996 12:10:00 -0500 (CDT)
Received: from localhost (cbuttsch@localhost) by spork.callamer.com (8.7.5/8.7.3) with SMTP id KAA29229; Fri, 28 Jun 1996 10:07:34 -0700 (PDT)
Date: Fri, 28 Jun 1996 10:07:34 -0700 (PDT)
From: Clifford Buttschardt <cbuttsch@slonet.org>
X-Sender: cbuttsch@spork.callamer.com
To: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
cc: aprssig@tapr.org
Subject: Re: [APRSSIG:2471] Re: Garmin 45
In-Reply-To: <31D3EF6A.7505@worldnet.att.net>
Message-ID: <Pine.SOL.3.93.960628100709.25896D-100000@spork.callamer.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

How does one get the discount coupon for this store? Cliff K7RR

On Fri, 28 Jun 1996, B.G. Gotshall wrote:

> Paul Sadowski wrote:
> >
> > Just to let everyone know... this weekend on, Garmin GPS 45's for sale

> > for \$240 at boat US... \$230 if you are a member and got the flyer in
> >
> > A1
> > AH6LS
>
> Magellan is a better deal since it INCLUDES bracket and cable which is
> almost \$50 extra with Garman 45. Same store.
>
> Bud (WB4LTF)
>
>

From ku0g@sprynet.com Fri Jun 28 13:17:34 1996
Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA06788 for <aprssig@tapr.org>; Fri, 28 Jun 1996
13:17:32 -0500 (CDT)
From: ku0g@sprynet.com
Received: from [199.174.147.89] (dd05-089.compuserve.com [199.174.147.89]) by
m1.sprynet.com (8.6.12/8.6.12) with SMTP id LAA27792 for <aprssig@tapr.org>; Fri,
28 Jun 1996 11:15:22 -0700
Date: Fri, 28 Jun 1996 11:15:22 -0700
Message-Id: <199606281815.LAA27792@m1.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2474] Re: Voice REPEATERS on APRS
To: aprssig@tapr.org
In-Reply-To: <199606281316.IAA23610@tapr.org>
X-Mailer: SPRY Mail Version: 04.00.06.21

On Fri, 28 Jun 1996, schiers@ames.net wrote and ku0g@sprynet.com added to the
clutter:

>In <721766@bbs.ames.net>, on 06/27/96 at 04:54 PM,
> aprssig@tapr.org said:
>
>> I doubt that i could fit all the local vice repeaters on my local map.
> ^^^^
>This quote from EER is just toooo juicy to pass up.
>
>No wonder we have a crime problem.
>
>hasan schiers, NOAN--
>-----
>schiers@ames.net
>

YOU SHOULD TAKE A LISTEN TO 146.82 IN KANSAS CITY SOME EVENING!!! I'LL READILY
SECOND HASAN'S STATEMENT!!!

>
>
Best 73,

Jim Duncan, KU0G
APRS--Kansas City Coordinator
EMail: ku0g@sprynet.com

From n8chb@tir.com Fri Jun 28 13:19:17 1996
Received: from tir.com (sun.tir.com [205.138.41.6]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id NAA07145 for <aprssig@tapr.org>; Fri, 28 Jun 1996 13:19:14 -0500 (CDT)
Received: from n8chb.tir.com (an17liv.tir.com [205.218.84.19]) by tir.com (8.7.5/8.7) with SMTP id OAA05614 for <aprssig@tapr.org>; Fri, 28 Jun 1996 14:16:10 -0400 (EDT)
Message-ID: <31D413F6.2154@tir.com>
Date: Fri, 28 Jun 1996 18:18:46 +0100
From: N8CHB <n8chb@tir.com>
Reply-To: n8chb@tir.com
X-Mailer: Mozilla 3.0b4Gold (Win95; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: vhf
References: <31D4116D.61FE@tir.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

This may hve bin asked be 4 so pls excuse the bandwidth.

I hve bin doing some ant testing on vhf
over the past few days and wondering abt
the reasoning 4 hving more than one WIDE in the path?
example: APRS VIA WIDE, WIDE, WIDE, WIDE, etc

It would seem to me that more than one wide would
lessen chances of being heard rather than
extend ur range. Wouldn't using just one wide also
decrease collisions and allow weaker signals from
vehicles and low power rigs to be heard.

Thanks fer the time and still hve not figured out
how to disply a house on hf and a star on vhf
putting "-, #" don't fly and can find no info
in hf.txt abt it.

73

Roger N8CHB

From N5RKN@aol.com Fri Jun 28 13:45:13 1996
Received: from emout07.mail.aol.com (emout07.mx.aol.com [198.81.11.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA08171 for <aprssig@tapr.org>; Fri, 28 Jun 1996 13:45:11 -0500 (CDT)
From: N5RKN@aol.com
Received: by emout07.mail.aol.com (8.6.12/8.6.12) id OAA06583 for aprssig@tapr.org; Fri, 28 Jun 1996 14:44:38 -0400

Date: Fri, 28 Jun 1996 14:44:38 -0400
Message-ID: <960628144436_566155279@emout07.mail.aol.com>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2475] APRS Sarex report (5)

We heard W5RRR-1 on the 26th at the APRS station setup at the NWS in Midland..
That was the last heard.... HOWEVER, I just got a good voice copy on MIR as our female astronaut/cosmonaut was in a great pass over within the last hour. No packet, just voice. But, they sounded like they had landed next door.
Unfortunately,
we were mobile with just a 1/4 wave antenna.
73' Robert

From assib@techunix.technion.ac.il Fri Jun 28 14:12:05 1996
Received: from techunix.technion.ac.il (assib@techunix.technion.ac.il [132.68.1.28]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id OAA09112 for <aprssig@tapr.org>; Fri, 28 Jun 1996 14:12:01 -0500 (CDT)
Received: from localhost (assib@localhost) by techunix.technion.ac.il (8.7.5/8.6.10) with SMTP id WAA20573 for <aprssig@tapr.org>; Fri, 28 Jun 1996 22:10:56 +0300 (IDT)
Date: Fri, 28 Jun 1996 22:10:55 +0300 (IDT)
From: Assi Ben-Shalom <assib@techunix.technion.ac.il>
Reply-To: Assi Ben-Shalom <assib@techunix.technion.ac.il>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2487] Re: Garmin-20, Deaf??
In-Reply-To: <Pine.SOL.3.93.960628093606.25896A-100000@spork.callamer.com>
Message-ID: <Pine.GSO.3.93.960628213346.18174A-100000@techunix.technion.ac.il>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi,
This is my first attempt with GPS receivers + antennas.
The papers we recieved with the GPS-20 suggested we build 1/4 Lambda antenna's, now such antennas tend to look to the horizon which tends to be good with the LEOs such as the K0-23... , I once made calculations and found that 66 % of the passes are below 30 Deg elevation.
So the antenna suggested seems logical, today I recieved a copy of an article in QST about a homemade GPS antenna.
Now the aurther sais - it is better to have an antenna that looks streight up then to the horizon because it is most likely that the horizon will be blocked by obsticles when you are mobile.
What say the gps experts ??
Maybe we should build patch antennas ?
bye, Assi

Assi Ben-Shalom 4Z7ABA

From rwf@mindspring.com Fri Jun 28 14:24:44 1996
Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA09687 for <aprssig@tapr.org>; Fri, 28

Jun 1996 14:24:42 -0500 (CDT)
Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com
with SMTP id PAA12520 for <aprssig@tapr.org>; Fri, 28 Jun 1996 15:24:36 -0400
Message-Id: <2.2.32.19960628192535.009a3d10@mindspring.com>
X-Sender: rwf@mindspring.com
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 28 Jun 1996 15:25:35 -0400
To: aprssig@tapr.org
From: rwf <rwf@mindspring.com>
Subject: Re: [APRSSIG:2483] Re: Repeater Mapped

At 10:42 AM 6/28/96 -0500, it was written:

>Uhm...I would suspect that our local coordination group is as tight
>lipped as you are sugesting. NARCC which coordinates Northern CA
>has a policy of keeping their dbase completely private. They only
>release a portion of it too the league each year for the repeater
>directory.
>
>I'll wager that this policy is more pervasive than you imagine.
>
>Steve KA6S
>
>

Quite so... repeater owners do not usually want exact addresses or
coordinates given to the public. The coordinators honor this. Until the
average ham could USE coordinates (APRS, GPS, etc)- no one really had a use
for that info except for coordination (or site jumping) issues.

Now, of course, we can use the info for other purposes but I'll bet the
policy will remain the same.

Try using the town name and looking the town up in that Net resource that
gives lat/long of the center of all known towns. That will give you a
pretty close location most of the time. (Unless you have a guy like the guy
here locally who kept having his repeater be too close in miles to a
co-channel machine) He was told to move it, so he just renamed the Mtn and
left it at the same place. He has since renamed it twice more. It is
currently named after the owner of the tower.

Sorry- I can't locate the town name database, but I'm sure someone will have
it here and speak up.

	Ralph Fowler, N4NEQ	S.E.R.A. ATV Technical
Advisor		
	rwf@mindspring.com	
Atlanta, GA USA		
Web:	http://www.mindspring.com/~rwf	for APRS, ATV, Balloon, and

Ham info

My hobby is tracking Vehicles and other things using Ham Radio and APRS. Ask me how!

From rwf@mindspring.com Fri Jun 28 14:24:45 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA09690 for <aprssig@tapr.org>; Fri, 28 Jun 1996 14:24:44 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id PAA12559 for <aprssig@tapr.org>; Fri, 28 Jun 1996 15:24:39 -0400

Message-Id: <2.2.32.19960628192538.0099b4b4@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 28 Jun 1996 15:25:38 -0400

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: Re: [APRSSIG:2486] Re: Garmin-20, Deaf??

At 11:37 AM 6/28/96 -0500, it was written:

There are 3 people that have reported difficulty in

>> getting a FIX with their GPS-20's. (Porbably half of the usrs have not

>> finished putting their units together yet.)

>>

>> How many of you have your GPS-20 hooked up an ARE getting good sesnsitivity

>> and fixes?

>>

>> Reply to me direct, and BRIEFLY (1 screen) and I will summarize.

>>

>> de wb4apr@amsat.org

>

>I'm using my GPS-20 with the PacComm/Trimble \$50 active antenna and it works

>perfect, satelite acquisition time is even better than I expected.

>

>My *uneducated* guess would be a antenna problem.

>

>73 De Joe N200C

I agree as well. Sticking wires in antenna connectors at 1.5 GHz and having something work is a little different than loading up a bedspring or rain gutter on HF. Guys, get a real antenna. Call up Paccomm and get that trimble antenna. I can't even buy 'em from Motorola at cost for that price!

Using a real antenna on a GPS vs a piece of wire (or even the helix that comes with it) is like going from a handie talkie/rubber duck in the car to a 25 watt rig and 5/8 antenna!

Ralph

From rwf@mindspring.com Fri Jun 28 14:35:19 1996

Received: from borg.mindspring.com (borg.mindspring.com [204.180.128.14]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA10119 for <aprssig@tapr.org>; Fri, 28 Jun 1996 14:35:17 -0500 (CDT)

Received: from rwf.mindspring.com [168.121.44.154] by borg.mindspring.com with SMTP id PAA19611 for <aprssig@tapr.org>; Fri, 28 Jun 1996 15:35:13 -0400

Message-Id: <2.2.32.19960628193612.00675f4c@mindspring.com>

X-Sender: rwf@mindspring.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 28 Jun 1996 15:36:12 -0400

To: aprssig@tapr.org

From: rwf <rwf@mindspring.com>

Subject: Re: [APRSSIG:2490] vhf

At 01:40 PM 6/28/96 -0500, it was written:

wondering abt
> the reasoning 4 hving more than one WIDE in the path?
> example: APRS VIA WIDE, WIDE, WIDE, WIDE, etc
<snip>
> Roger N8CHB

Maybe to perk up development of the WIDE-N scheme of Bob's (and others). I hope that soon we will see digis that do not digi the same packet more than once. Then you can use 10 wides and go all the way to canada.

I'd like to see all of the TNC code writers go ahead and get on the stick with a means to do this soon!

I do have my 2 digis set to 3 wides right now. They only beacon every 10 minutes. It also made for some nice propo during the band opening recently.

My little peeve right now is the inexcusable use of RELAY at the end of a path. Twice this week, a mobile stand alone (airborne- even) tracker has done this and caused every APRS station for probably 3 states to redigi him once a minute. We couldn't even watch TV this past weekend due to the TVI from my APRS antenna which is just above a highly amplified TV antenna. Usually my own transmissions are far enough apart to not really matter, but this was every minute. Grrr... my wife is really down on APRS right now :)

ralph (or rwf to those who have a problem with me not using my name)

From eric@ncweb.com Fri Jun 28 15:11:09 1996

Received: from ds2.ncweb.com (root@ds2.ncweb.com [206.84.2.1]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA11682 for <aprssig@tapr.org>; Fri, 28 Jun 1996 15:11:07 -0500 (CDT)

Received: from evr ([206.84.2.70]) by ds2.ncweb.com (8.7.3/8.7.3) with SMTP id QAA25267 for <aprssig@tapr.org>; Fri, 28 Jun 1996 16:43:20 -0500 (EST)

Message-ID: <31D43D68.75E5@ncweb.com>

Date: Fri, 28 Jun 1996 16:15:36 -0400

From: Eric Roby <eric@ncweb.com>
Organization: Systematic Computer Services/Roby Electronics
X-Mailer: Mozilla 2.01 (Win95; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2491] Re: APRS Sarex report (5)
References: <960628144436_566155279@emout07.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N5RKN@aol.com wrote:

>
> We heard W5RRR-1 on the 26th at the APRS station setup at the NWS in
> Midland..
> That was the last heard.... HOWEVER, I just got a good voice copy on MIR as
> our
> female astronaut/cosmonaut was in a great pass over within the last hour. No
> packet, just voice. But, they sounded like they had landed next door.
> Unfortunately,
> we were mobile with just a 1/4 wave antenna.
> 73' Robert

A 1/4 wave will work just fine for a qso with MIR. I have talked to them on a 1/4 wave on my truck. Most of the time on 2M if you can hear them they can hear you.

73 Eric N8RPX

From sem2r@galen.med.virginia.edu Fri Jun 28 15:37:47 1996
Received: from virginia.edu (mars.itc.Virginia.EDU [128.143.2.9]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA12655 for <aprssig@tapr.org>; Fri, 28 Jun 1996 15:37:44 -0500 (CDT)
Received: from avery.med.virginia.edu by mail.virginia.edu id aa09878; 28 Jun 96 16:37 EDT
Received: from bootp-109-48.bootp.Virginia.EDU (bootp-109-48.bootp.Virginia.EDU [128.143.109.48]) by avery.med.Virginia.EDU (8.7.1/8.6.6) with SMTP id QAA93560 for <aprssig@tapr.org>; Fri, 28 Jun 1996 16:37:38 -0400
Message-Id: <199606282037.QAA93560@avery.med.Virginia.EDU>
X-Authentication-Warning: avery.med.Virginia.EDU: Host bootp-109-48.bootp.Virginia.EDU [128.143.109.48] didn't use HELO protocol
X-Sender: sem2r@avery.med.virginia.edu
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 28 Jun 1996 16:35:53 -0400
To: aprssig@tapr.org
From: "Stacey E. Mills, M.D." <sem2r@galen.med.virginia.edu>
Subject: Re: Garmin-20, Deaf??

At 02:43 PM 6/28/96 -0500, you wrote:

[snip]

>>

>>I'm using my GPS-20 with the PacComm/Trimble \$50 active antenna and it works

>>perfect, satellite acquisition time is even better than I expected.
>>
>>My *uneducated* guess would be a antenna problem.
>>
>>73 De Joe N200C
>
>
>I agree as well. Sticking wires in antenna connectors at 1.5 GHz and having
>something work is a little different than loading up a bedspring or rain
>gutter on HF. Guys, get a real antenna. Call up Paccomm and get that
>trimble antenna. I can't even buy 'em from Motorola at cost for that price!
>
>Using a real antenna on a GPS vs a piece of wire (or even the helix that
>comes with it) is like going from a handie talkie/rubber duck in the car to
>a 25 watt rig and 5/8 antenna!
>
>Ralph

Well, I agree in principle, and I 've ordered a Trimble active antenna.....BUT, I have a Garmin-45 and a Garmin active "marine" antenna and the undeniable fact is that with either the 45's detachable antenna or the Garmin active antenna (admitted through 80 ft of mini RG-8) my Garmin-45 gets solid locks in no time (1-2 minutes), showing mid-scale readings on 4-6 satellites with either setup. My Garmin-20 won't lock at all on either of these antennas unless I take the active antenna down from my tower and shorten the coax to the point (30 ft) where the Garmin-45 shows full max readings on 4-6 satellites...then and only then can I get a lock (at least I could a few days ago, I'll repeat it over the weekend). That sure sounds like my Garmin-20 is a lot less sensitive than the Garmin-45 that I have. I don't think it's unreasonable to aim for sensitivity equal to the Garmin-45. Ron Parsons described exactly that (equal sensitivity / lock time) in his note on the Garmin-20 vs. -45.

My Garmin-20 did lock with the "short coax" active antenna above, and so it shouldn't require "sky search" only two days later from the same QTH. The clock is essentially "right on" from this setup. Appropriate voltage is present on the antenna connector. The RG-174 pigtail is connected to a through case BNC connector, regulated voltage is 5.4 volts. NMEA text lines appear instantly on turn on, list satellites in view, and show transient signal strengths on 0-2 satellites, but that's it after running multiple hours. I will climb the tower, bring down my active antenna and shorten the coax, just to confirm that I can still get lock with the higher signal strengths, but if the 45 can lock easily in this setting, the 20 should as well. It's more than an antenna problem, at least in my case.

Thanks for your help and comments.

Stacey E. Mills

E-Mail: sem2r@galen.med.virginia.edu

Office Phone: 804-982-4406

Office Fax: 804-924-8767

From seront@seism1.ess.sunysb.edu Fri Jun 28 16:31:00 1996
Received: from ccmail.sunysb.edu (ccmail.sunysb.edu [129.49.1.103]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA14663 for <aprssig@tapr.org>; Fri, 28 Jun 1996 16:30:54 -0500 (CDT)
Received: from seism1.ess.sunysb.edu by ccmail.sunysb.edu (PMDF V5.0-6 #8051) id <01I6G804000W9YMU98@ccmail.sunysb.edu> for aprssig@tapr.org; Fri, 28 Jun 1996 17:30:50 -0400 (EDT)
Received: from cort0.ess.sunysb.edu by seism1.ess.sunysb.edu (4.1/SMI-4.1) id AA06171; Fri, 28 Jun 1996 17:30:10 -0400 (EDT)
Date: Fri, 28 Jun 1996 17:30:17 -0400
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: Re: [APRSSIG:2492] Re: Garmin-20, Deaf??
X-Sender: seront@seism1.ess.sunysb.edu
To: aprssig@tapr.org
Message-id: <2.2.32.19960628213017.00751274@seism1.ess.sunysb.edu>

MIME-version: 1.0
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

At 02:21 PM 6/28/96 -0500, you wrote:

>The papers we recieved with the GPS-20 suggested we build 1/4 Lambda
>antenna's, now such antennas tend to look to the horizon which tends
>to be good with the LEOs such as the K0-23... ,

GPS sats have nothing to do with K0-23 and the likes.

>I once made calculations
>and found that 66 % of the passes are below 30 Deg elevation.

GPS sat passes are all over the place at the same time, and you have to look everywhere at the same time to be able to get 4 decent signals.

>So the antenna suggested seems logical,

No, at least not for this reason.
What is true is that from a geometrical point of view, you will get a more precise solution if the sats are near the horizon (max distance between each sat). But trees are likely to grow closer to the horizon than right above our heads, so you still want your antenna to see something straight up.

> today I recieved a copy
>of an article in QST about a homemade GPS antenna.
>Now the aurther sais - it is better to have an antenna that looks
>streight up then to the horizon because it is most likely that
>the horizon will be blocked by obsticles when you are mobile.

A patch antenna is by nature somehow directional normal to the patch surface. I suspect the author just put this comment afterward to "justify" the choice of the design versus this fact.
The best antenna for GPS would be this patch "which looks straight up", but

sees even better horizontally at the same time!

The qst patch has for advantages to be easy to build and to give reproducible results (not everybody agree on this one, though) without adjustments.

Compared to my garmin 45 helix (connected at the handheld), my patch (with 2.5 m of ordinary coax) gives -similar- results (both antenna at the same place, i.e. on the roof of the car).

The patch does see better vertically than horizontally, and that can be annoying with some sats configurations.

But if I compare the helix with ~2m of coax (so I can move the GPS inside the car and drive), the patch is far better. The worse is the helix fixed to the gps inside the car, near the windshield.

Now with the canopy we have here on Long Island I consistently get poor results, with both antennas, on my way home!

Bernard, KB2TGH.

Bernard Seront, seront@seism1.ess.sunysb.edu
<http://rock.ess.sunysb.edu:8080/>

From ku0g@sprynet.com Fri Jun 28 17:15:54 1996

Received: from m1.sprynet.com (m1.sprynet.com [165.121.1.97]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA16334 for <aprssig@tapr.org>; Fri, 28 Jun 1996 17:15:52 -0500 (CDT)

From: ku0g@sprynet.com

Received: from [199.174.147.89] (dd05-089.compuserve.com [199.174.147.89]) by m1.sprynet.com (8.6.12/8.6.12) with SMTP id PAA26829 for <aprssig@tapr.org>; Fri, 28 Jun 1996 15:13:34 -0700

Date: Fri, 28 Jun 1996 15:13:34 -0700

Message-Id: <199606282213.PAA26829@m1.sprynet.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: Re: [APRSSIG:2494] Re: Garmin-20, Deaf??

To: aprssig@tapr.org

In-Reply-To: <2.2.32.19960628192538.0099b4b4@mindspring.com>

X-Mailer: SPRY Mail Version: 04.00.06.21

Please don't forget The Blackjack GPS Patch Antenna as a good place to start for the GPS-20!!!

Best 73,

Jim Duncan, KU0G

APRS--Kansas City Coordinator

EMail: ku0g@sprynet.com

From KD4EMI@aol.com Fri Jun 28 18:10:04 1996

Received: from emout15.mail.aol.com (emout15.mx.aol.com [198.81.11.41]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA18159 for <aprssig@tapr.org>; Fri, 28 Jun 1996 18:10:02 -0500 (CDT)

From: KD4EMI@aol.com
Received: by emout15.mail.aol.com (8.6.12/8.6.12) id TAA20988 for
aprssig@tapr.org; Fri, 28 Jun 1996 19:10:17 -0400
Date: Fri, 28 Jun 1996 19:10:17 -0400
Message-ID: <960628191017_342870174@emout15.mail.aol.com>
To: aprssig@tapr.org
Subject: Nothing heard on sarex yet

Ive been "ARMED" on the sarex pair since Tuesday...

No contact yet.
MIke
KD4EMI@AOL.COM

From w5rkn@amsat.org Fri Jun 28 18:45:43 1996
Received: from zoom.bga.com (zoom.realtime.net [205.238.128.40]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id SAA19245 for <aprssig@tapr.org>; Fri, 28 Jun 1996
18:45:42 -0500 (CDT)
Received: from [204.251.33.80] (jake-6p.ip.realtime.net [204.251.33.80]) by
zoom.bga.com (8.6.12/8.6.12) with SMTP id SAA07488 for <aprssig@tapr.org>; Fri, 28
Jun 1996 18:45:38 -0500
X-Sender: rparsons@mailserv.bga.com
Message-Id: <v02140b00adfa1cbdb6da@[204.251.33.78]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 28 Jun 1996 18:45:24 -0500
To: aprssig@tapr.org
From: w5rkn@amsat.org (Ronald G. Parsons)
Subject: GPS-20 with different antennas

I tested acquisition times on a GPS-20 with three different antennas:

1. A Trimble amplified antenna (from PacComm) 3-4 m of coax
2. The quadrifilar antenna from a GPS 45 very close to GPS
3. A patch antenna from QST with about 2 feet of RG-58

Prior to testing, a fix was obtained and the GPS turned off for several minutes.

In terms of getting a fix after the GPS had been off several minutes, all
three acquired a fix in 1-2 minutes. After the GPS had been off about 10
seconds, the acquisition was 20-30 secs with all three antennas.

In other words, there was no observable difference between the three antennas.

The site was about 30-40% covered with trees.

Ron W5RKN

also:
rparsons@bga.com

From lmill@ezl.com Fri Jun 28 19:09:26 1996
Received: from www.ezl.com (root@www.ezl.com [206.24.43.10]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id TAA20037 for <aprssig@tapr.org>; Fri, 28 Jun 1996
19:09:24 -0500 (CDT)
Received: from lmill.ezl.com (ppp14.ezl.com [206.24.43.25]) by www.ezl.com
(8.7.3/8.6.9) with SMTP id TAA13532; Fri, 28 Jun 1996 19:10:37 -0500 (CDT)
Message-Id: <1.5.4.32.19960629001116.00678664@www.ezl.com>
X-Sender: lmill@www.ezl.com
X-Mailer: Windows Eudora Light Version 1.5.4 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 28 Jun 1996 19:11:16 -0500
To: aprssig@tapr.org, aprssig@tapr.org
From: Larry Miller <lmiller@ezl.com>
Subject: Re: [APRSSIG:2482] 1278 TNC

At 10:40 AM 6/28/96 -0500, Jon R. Haskell wrote:

>I am having difficulty in getting the APRS and my older 1278 to communicate.

>Any body been there, done it, and got the T-shirt, using an older 1278?

>Jon KB9CML

>

Jon...

You don't mention the model number or indicate how old your 1278 is. I
have a 1278 B, S/N 30034041, that I have been using for quite a long time
with APRS.

It even works well after doing a reset. Following the reset, all I put in
is mycall, start APRS and it works fine.

I don't have a T-Shirt though!

Larry

* * * * *

E-Mail

Personal: lmill@ezl.com

Business: lmill@email.usps.gov

Ham Radio: n9lbg@kd9sg.#sil.il

From khufford@erols.com Fri Jun 28 19:27:27 1996
Received: from smtp2.erols.com (root@smtp2.erols.com [205.252.116.102]) by
tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA20618 for <aprssig@tapr.org>; Fri, 28
Jun 1996 19:27:26 -0500 (CDT)
Received: from khufford.erols.com (man-as1s18.erols.com [206.161.170.18]) by
smtp2.erols.com (8.7.3/8.6.5) with SMTP id UAA24248 for <aprssig@tapr.org>; Fri,
28 Jun 1996 20:27:22 -0400 (EDT)
Message-Id: <199606290027.UAA24248@smtp2.erols.com>
X-Sender: khufford@pop.erols.com (Unverified)
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 00:27:34 -0400
To: aprssig@tapr.org

From: Kent V Hufford <khufford@erols.com>
Subject: GPS-20 Engine- No signal?

About three weeks ago, I got the GPS20 engine from TAPR. Put it in a RS box, used a 7805 regulator to feed it 5.01vdc, etal.

Took it outside, hooked it to a laptop with dosAPRS (also had winAPRS and the GPS version of Precison Mapping 2.0). Left it on for an hour using the antenna from my GARMIN 45. GPS time came up, bunch of sat numbers came up, GPS sentences came across. Also the GPS time is 5 min off.

BUT, no signal strengths from any sats. And of course, no lat/log. Checked out to make sure the input voltages were right, checked to see if I had 5vdc on the center pin of the antenna connector - it did. Even tried using the "1.8 inch" wire antenna. Nothing works. Put the GARMIN antenna back on my GARMIN 45, the Garmin 45 got lock in 2 min.

I have tried this three more times... no signal levels from the sats. My neighbors are wondering why I'm setting in the front yard<g>.

I have read the threads about the long time it takes to initialize the G20. About you need a real antenna.

Any other ideas... other than a dead receiver?

thanks in advance,

Kent

KQ4KK

From khufford@erols.com Fri Jun 28 19:32:50 1996
Received: from smtp2.erols.com (root@smtp2.erols.com [205.252.116.102]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id TAA20744 for <aprssig@tapr.org>; Fri, 28 Jun 1996 19:32:49 -0500 (CDT)
Received: from khufford.erols.com (man-as1s18.erols.com [206.161.170.18]) by smtp2.erols.com (8.7.3/8.6.5) with SMTP id UAA24511 for <aprssig@tapr.org>; Fri, 28 Jun 1996 20:32:47 -0400 (EDT)
Message-Id: <199606290032.UAA24511@smtp2.erols.com>
X-Sender: khufford@pop.erols.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 00:32:58 -0400
To: aprssig@tapr.org
From: Kent V Hufford <khufford@erols.com>
Subject: GPS20 DEAF!!?

One more thought on the deaf GPS20s..

At Dayton, Bob said all you need is the 1.8 inch wire. "It works fine".

If Bob's worked... whats wrong with ours?

He may have a different batch GPS20?

I got mine in this last batch from TAPR AFTER Dayton.

Anyone else have a new batch GPS20 that is deaf? (or an old batch?)

Kent

KQ4KK

From byoung@qni.com Fri Jun 28 19:41:10 1996

Received: from qni.com (root@qni.com [206.29.114.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA21164 for <aprssig@tapr.org>; Fri, 28 Jun 1996 19:41:09 -0500 (CDT)

From: byoung@qni.com

Received: from 206.29.114.80 (s80.qni.com) by qni.com (5.x/SMI-SVR4) id AA08693; Fri, 28 Jun 1996 19:41:51 -0500

Date: Fri, 28 Jun 1996 19:41:50 -0500

Message-Id: <9606290041.AA08693@qni.com>

Mime-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Subject: SAREX "contact" again!

To: aprssig@tapr.org

X-Mailer: SPRY Mail Version: 04.00.06.17

APRS/STS-78 hunters,

Well, for what it's worth, I've seen my second "CONGRATS!!! YOUR PACKET WAS DIGIPEATED!! EVERYONE ELSE SHOULD SEE YOU TOO! message. Anybody "see me" today?

I followed Bob's "instructions" for checking APRS system status after the "contact", and here's the information:

(H)eard: 10 packets @ 0600 and 27 packets @ 0800

(D)igipeaters used: *W5RRR-1 >W5HUQ

(A)ll beacons: totally blank

(P)ositions: just mine :^)

I've done a (F)ile, (S)ave and am pressing on. I haven't lost faith yet....

Bill Young

byoung@qni.com

KBOUZQ

From hking@cyberlink-inc.com Fri Jun 28 20:04:22 1996

Received: from dfw-ix10.ix.netcom.com (dfw-ix10.ix.netcom.com [206.214.98.10]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA22516 for <APRSSIG@TAPR.ORG>; Fri, 28 Jun 1996 20:04:20 -0500 (CDT)

Received: from 206.64.228.240.cyberlink-inc.com ([206.64.229.113]) by dfw-ix10.ix.netcom.com (8.6.13/8.6.12) with SMTP id SAA29243 for <APRSSIG@TAPR.ORG>; Fri, 28 Jun 1996 18:04:03 -0700

Message-Id: <2.2.32.19960629010404.0067daf0@cyberlink-inc.com>

X-Sender: hking@cyberlink-inc.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 28 Jun 1996 20:04:04 -0500

To: APRSSIG@tapr.org

From: Howard King <hking@cyberlink-inc.com>

Subject: APRS 74 Help

I am looking for some information re: APRS software. What is the latest version? Is there a version running under windows 95? I have a Wizard weather system, have these people released their source code to Bob?

Thanks for your help!

Howard W9OCK

From gphowell@interramp.com Fri Jun 28 20:23:56 1996

Received: from smtp-gw01.ny.us.ibm.net (smtp-gw01.ny.us.ibm.net [165.87.194.252]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA23267 for <aprssig@tapr.org>; Fri, 28 Jun 1996 20:23:55 -0500 (CDT)

From: gphowell@interramp.com

Received: (from uucp@localhost) by smtp-gw01.ny.us.ibm.net (8.6.9/8.6.9) id BAA42033 for <aprssig@tapr.org>; Sat, 29 Jun 1996 01:23:48 GMT

Message-Id: <199606290123.BAA42033@smtp-gw01.ny.us.ibm.net>

Received: from ip35.richmond2.va.interramp.com(38.12.24.35) by smtp-gw01.ny.us.ibm.net via smap (V1.3mjr)

id smaxCADFW; Sat Jun 29 01:23:37 1996

Date: Fri, 28 Jun 96 21:19:45

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2493] Re: Repeater Mapping

In-Reply-To: <2.2.32.19960628192535.009a3d10@mindspring.com>

X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.04 (Unregistered)

I doubt ANY coordinator would release specific lat and long info without permission from the repeater owner. Too much liability for releasing precise locations for any nut case with a sledge hammer and some time on his hands to visit. One our our local mountain top sites has been broken into several times despite the fact that it is co-located with an active (people around all the time) commercial site.

--

gphowell@interramp.com

From james.mollica@compudata.com Fri Jun 28 21:12:01 1996

Received: from mailman.compudata.com (root@mailman.compudata.com [204.183.163.2])
by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id VAA25237 for <aprssig@tapr.org>; Fri,
28 Jun 1996 21:11:55 -0500 (CDT)

Received: from compudata.com (bbs [204.183.163.3]) by mailman.compudata.com
(8.7.3/8.7.3) with SMTP id VAA03647 for aprssig@tapr.org; Fri, 28 Jun 1996
21:33:32 -0400

To: aprssig@tapr.org

Subject: APRS report

From: james.mollica@compudata.com (JAMES MOLLICA)

Message-ID: <8C36287.01F401B7E8.uuout@compudata.com>

Date: Fri, 28 Jun 96 10:47:00 -0400

Organization: Compu-Data --- Turnersville, NJ --- 609-232-7747

Reply-To: james.mollica@compudata.com (JAMES MOLLICA)

X-Mailreader: PCBoard Version 15.22

X-Mailer: PCBoard/UUOUT Version 1.20

BB>coast. We are still waiting on the first report of an APRS position
>report. Keep trying! The Shuttle Columbia callsign is W5RRR-1. The

Just checked my log file and found this.

26-Jun-96 13:12:57 W5RRR-1*>N20IJ <I;0,0>:
#130-is your STS-78 SAREX QSO number.

26-Jun-96 13:13:03 K1HJC>W5RRR-1*>FN43HB [UI]:
APRS 0.5 on line.

26-Jun-96 13:13:03 W5RRR-1*>SAREX <UI>:
#130-is your STS-78 SAREX QSO number.

26-Jun-96 13:13:04 W5RRR-1*>KA1ZAD <I;0,0>:
#127-is your STS-78 SAREX QSO number.

26-Jun-96 13:13:04 W5RRR-1*>KA1ZAD <UA,F>
26-Jun-96 13:13:09 W5RRR-1*>KA1ZAD <I;0,0>:
#127-is your STS-78 SAREX QSO number.

26-Jun-96 13:13:09 W5RRR-1*>KA1ZAD <UA,F>
26-Jun-96 13:13:12 W5RRR-1*>KA1ZAD <I;0,0>:
#127-is your STS-78 SAREX QSO number.

26-Jun-96 13:13:15 N2MRH-2*>W5RRR-1 [C,P]

* 1st 2.00 #1439 * N2NRD @ AMSAT.ORG

From wa4dsy@wa4dsy.radio.org Fri Jun 28 21:44:43 1996

Received: from smtp-gw01.ny.us.ibm.net (smtp-gw01.ny.us.ibm.net [165.87.194.252])
by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA26419 for <aprssig@tapr.org>; Fri,
28 Jun 1996 21:44:40 -0500 (CDT)

Received: (from uucp@localhost) by smtp-gw01.ny.us.ibm.net (8.6.9/8.6.9) id
CAA43699 for <aprssig@tapr.org>; Sat, 29 Jun 1996 02:44:37 GMT

Message-Id: <199606290244.CAA43699@smtp-gw01.ny.us.ibm.net>

Received: from wa4dsy-1.wa4dsy.radio.org(206.28.196.146) by smtp-
gw01.ny.us.ibm.net via smap (V1.3mjr)

id smaqqoDM2; Sat Jun 29 02:44:25 1996
Date: Fri, 28 Jun 96 22:44:24 EDT
From: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
Reply-To: wa4dsy@wa4dsy.radio.org (Dale Heatherington)
To: aprssig@tapr.org
X-Mailer: Dale Heatherington's PMMail v1.1
Subject: Re: [APRSSIG:2504] GPS20 DEAF!!?

I hope you guys put bypass caps (1 to 10 uF range) between ground and the input and output of the 7805 regulator. If you don't it may oscillate at RF and could screw up the GPS-20 receiver sensitivity.

Just my \$0.02

Dale Heatherington, WA4DSY
e-mail - wa4dsy@wa4dsy.radio.org
Web page - <http://www.wa4dsy.radio.org>
This message brought to you by OS/2 Warp Connect.

From bruninga@nadm.navy.mil Fri Jun 28 22:50:54 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA28796 for <aprssig@tapr.org>; Fri, 28 Jun 1996 22:50:53 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id XAA16393; Fri, 28 Jun 1996 23:51:50 -0400
Date: Fri, 28 Jun 1996 23:51:50 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: SAREX digipeater?
In-Reply-To: <PAX6/A0023375/P04/PAXMB1*@MHS>
Message-ID: <Pine.SUN.3.91.960628234308.16285B-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Someone asked if the DIGI was in fact enabled on SAREX, since we are not seeing any APRS packets.

APRSDos REPLY COMMENT: Yes, because KE4EER has digipeated one packet. SO far, his one packet is the only reported UI frame. We are stiii waiting for the first report of a POSIT! Boy, i wonder if we are really trying.

Comment, if you are not participating because you dont have a radio that can operate split on 144.49 up and 145.55 down, then put it on the uplink. There are more than enough of us listening on the downlink and we will see your POSIT.

For those of you ready to condemn this suggestin, think about it, The shuttle is operating in full duplex mode so just because you listen on the downlink, there is absolutely nothing that you can hear that will

tell you ANYTHHHHNG about colision avoidance on the uplink.

We need to see lots of people trying!

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Fri Jun 28 23:01:34 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA28965 for <aprssig@tapr.org>; Fri, 28
Jun 1996 23:01:30 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
AAA16650; Sat, 29 Jun 1996 00:02:23 -0400
Date: Sat, 29 Jun 1996 00:02:23 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2490] vhf
In-Reply-To: <31D413F6.2154@tir.com>
Message-ID: <Pine.SUN.3.91.960628235841.16285E-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Jun 1996, N8CHB wrote:

> I hve bin doing some ant testing on vhf
> over the past few days and wondering abt
> the reasoning 4 hving more than one WIDE in the path?
> example: APRS VIA WIDE, WIDE, WIDE, WIDE, etc
> extend ur range. Wouldn't using just one wide also
> decrease collisions and allow weaker signals from
> vehicles and low power rigs to be heard.

APRSDOS REPLY COMMENT: Absolutely! There should never (except for the
usual exception for emergencies and very special circumstances) there
should never be more than 2 WIDES in a row. A packet you discribe with 4
WIDES could generate DOZENS of duplicates and totaly saturate the net.
After 2 wides, you must comit to a given diretion and choose specific
DIGI's beyond that: VIA WIDE,WIDE,W3XXX,W4YYY....

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Fri Jun 28 23:11:30 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA29349 for <aprssig@tapr.org>; Fri, 28
Jun 1996 23:11:28 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
AAA16713; Sat, 29 Jun 1996 00:12:25 -0400
Date: Sat, 29 Jun 1996 00:12:25 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2495] Re: vhf
In-Reply-To: <2.2.32.19960628193612.00675f4c@mindspring.com>
Message-ID: <Pine.SUN.3.91.960629000917.16285I@arctic>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Jun 1996, rwf wrote:

>
> My little peeve right now is the inexcusable use of RELAY at the end of a
> path. Twice this week, a mobile stand alone (airborne- even) tracker has
> done this and caused every APRS station for probably 3 states to redigi him
> once a minute. We couldn't even watch TV this past weekend due to the TVI

APRSDOS REPLY COMMENT: AGREE! No one should ever use RELAY *ANYWHERE* in
a digi string, EXCEPT the first position. Any station that does so, is just
totally un-informed and inconsiderate.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Fri Jun 28 23:24:55 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA29825 for <aprssig@tapr.org>; Fri, 28
Jun 1996 23:24:53 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
AAA16749; Sat, 29 Jun 1996 00:25:51 -0400
Date: Sat, 29 Jun 1996 00:25:51 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2493] Re: Repeater Mapped
In-Reply-To: <2.2.32.19960628192535.009a3d10@mindspring.com>
Message-ID: <Pine.SUN.3.91.960629001332.16285J@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Jun 1996, rwf wrote:

>
> Quite so... repeater owners do not usually want exact addresses or
> coordinates given to the public. The coordinators honor this. Until the
> average ham could USE coordinates (APRS, GPS, etc)- no one really had a use
> for that info except for coordination (or site jumping) issues.

APRSDOS REPLY COMMENT: APRS has always NOT plotted Grid Squares below the
8 mile range in order to maintain the ambiguity of the position. I had
designed this so that Repeater owners could identify their REPEATER
locations using Grid Squares and thereby not reveal their exact location.
The problem is, that the repeater would then appear as a GRID SQUARE, and
not the ANTENNA symbol.

NOT A PROBLEM NOW. As a result of improvements in the SAREX mode, the
next version of APRS allows ANY position report to maintain POSITION
AMBIGUITY! Simply by using the SPACE character in place of a numerical
digit in the POSIT, this will tell APRS to maintain the ambiguity at that
resolution as follows:

3859.11N	Exact position to nearest 60 feet
3859.1 N	Symbol and Calsign will not display below 8 miles

3859 N Symbol and Callsign will not display below 128 miles
38 N Symbol and Callsign will not display below 256 miles
(this really only was put in for the DX cluster mode
(where stations are plotted according to callsign prefix)

P.S. I just finished MD2mrptr.bk, NJ2, rptr.bk and PA2mrptr.bk which can be loaded or replayed to show the locations of all 2m repeaters in those states... (They will be posted in a few days...)

de wb4apr@amsat.org

From bruninga@nadn.navy.mil Fri Jun 28 23:34:53 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA00416 for <aprssig@tapr.org>; Fri, 28 Jun 1996 23:34:51 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id AAA16863; Sat, 29 Jun 1996 00:35:49 -0400
Date: Sat, 29 Jun 1996 00:35:49 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2505] SAREX "contact" again!
In-Reply-To: <9606290041.AA08693@qni.com>
Message-ID: <Pine.SUN.3.91.960629003353.16285K-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Be sure you dont have a kantronics TNC that is echoing its OWN transmitted packets or that your own radio is echoing back the audio.

If it was, you woul dget an instant congratulations message EVERY time it transmited. The fact that you are seeing it ONLY when the shuttle is in view, tells me you are getting DIGIPEATED and SOMEONE OUTTHERE should have seen your packet. Is anyone else out there in California listening?
hi hi

de wb4apr@amsat.org

From bruninga@nadn.navy.mil Fri Jun 28 23:37:54 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA00488 for <aprssig@tapr.org>; Fri, 28 Jun 1996 23:37:53 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id AAA16883; Sat, 29 Jun 1996 00:38:50 -0400
Date: Sat, 29 Jun 1996 00:38:50 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2508] APRS report
In-Reply-To: <8C36287.01F401B7E8.uuout@compudata.com>
Message-ID: <Pine.SUN.3.91.960629003755.16285N@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Jun 1996, JAMES MOLLICA wrote:

> BB>coast. We are still waiting on the first report of an APRS position
> >report. Keep trying! The Shuttle Columbia callsign is W5RRR-1. The
>
> Just checked my log file and found this.
>
> 26-Jun-96 13:13:03 K1HJC>W5RRR-1*>FN43HB [UI]:
> APRS 0.5 on line.

APRSDos REPLY COMMENT: BINGO! There it is guys, the first one!

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Fri Jun 28 23:42:06 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA00991 for <aprssig@tapr.org>; Fri, 28
Jun 1996 23:42:04 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
AAA16895; Sat, 29 Jun 1996 00:43:02 -0400
Date: Sat, 29 Jun 1996 00:43:01 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Cause of GPS20 DEAF!!?
In-Reply-To: <199606290244.CAA43699@smtp-gw01.ny.us.ibm.net>
Message-ID: <Pine.SUN.3.91.960629003915.162850-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Jun 1996, Dale Heatherington wrote:

> I hope you guys put bypass caps (1 to 10 uF range) between ground and
> the input and output of the 7805 regulator. If you don't
> it may oscillate at RF and could screw up the GPS-20 receiver
> sensitivity.

APRSDos REPLY COMMENT: Of COURSE! This is a certain cause to prevent
operation. Thanks for the reminder. Every monolithic Regulator chip
requires these capacitors if lead length is more than a few inches
ANSI/OR if there is no other filtering on the bus in the immediate
vicinity of the regulator.

de wb4apr@amsat.org

From fe2o3!rusty@ernest.itg.ti.com Sat Jun 29 00:16:03 1996
Received: from gate.ti.com (news.ti.com [192.94.94.33]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id AAA05948 for <aprssig@tapr.org>; Sat, 29 Jun 1996
00:16:01 -0500 (CDT)
Received: from robin.itg.ti.com ([128.247.31.238]) by gate.ti.com (8.6.13/
ac3i.dseg.ti.com) with ESMTP id AAA16510 for <aprssig@tapr.org>; Sat, 29 Jun 1996
00:15:31 -0500
Received: from ernest.itg.ti.com (ernest.itg.ti.com [128.247.93.118]) by
robin.itg.ti.com (8.7.3/8.6.11) with SMTP id AAA24382 for <aprssig@tapr.org>; Sat,
29 Jun 1996 00:10:19 -0500 (CDT)

Received: from fe2o3 by ernest.itg.ti.com with uucp
(Smail3.1.28.1 #4) id m0uZsLh-00002SC; Sat, 29 Jun 96 00:13 CDT
Date: Sat, 29 Jun 96 00:13 CDT
Received: by fe2o3.LONESTAR.ORG (4.24/4.7)
id AA22713; Fri, 28 Jun 96 23:49:03 cdt
From: fe2o3!rusty@ernest.itg.ti.com (Rusty Haddock-KD4WLZ)
Message-Id: <9606290449.AA22713@fe2o3.LONESTAR.ORG>
Subject: Re: [APRSSIG:2483] Re: Repeater Maped
To: aprssig@tapr.org
Reply-To: rusty@fe2o3.lonestar.org (Rusty Haddock/KD4WLZ)
In-Reply-To: <no.id> from "Steve Wilson x2388" at Jun 28, 96 12:29:05 pm
X-Mailer: ELM [version 2.4 PL23]
Content-Type: text

I only said that the repeater coordinators HAD the information.
I didn't say that they'd necessarily give it out. Yes, quite a
number of repeater owners would rather keep their exact location
a secret. Many times getting a repeater atop a tall building or
on a comms tower is done as a favor, hush-hush, or "put it up but
don't bother us about it"-type of deal. As soon as another group
finds this building/tower/etc and it's better than what they've
got this other group may start saying to the building/tower/etc
owners "Us too, us too!". Well, sometimes that gets them up
there and then again sometimes it gets everyone kicked out of the
"pool". Sometimes a number of repeaters get installed and then
someone forgets that they're guests on that high spot, make a
nuisance or slob of themselves, and things get ruined for
everyone even remotely involved, or the Amateur Service in
general. It's not a pretty sight, lemme assure you.

Surely, anyone who wants to take the time can DF just about any
repeater, get a GPS near the thing, make a listing of the
repeater locations you've found, and hand it out. You may get
some people mad -- you might not care either. :->

BUT passing that "freely" available (no, make that freely
determineable) information around might cause a repeater site to be
lost, maybe a damned good repeater site. Heck, it might even mean
losing a digi or a node site along with a voice repeater. It's
happened before and it can happen again. Please think about those
kind of repercussions before passing around exact locations of
someone else's property without getting their OK first!

Food for thought. Now to go get some for my tummy. :-0

73

-Rusty-

--

----- Rusty Haddock ## KD4WLZ ## rusty@fe2o3.lonestar.org
| \ / o \ o
| (-< 0 o I planted my antenna farm and what popped up was aluminum

|/_V_/and copper tubing. Strange thing is... I used steel seeds!

From kc5ejk@onramp.net Sat Jun 29 00:53:12 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id AAA10218 for <aprssig@tapr.org>; Sat, 29 Jun 1996 00:53:10 -0500 (CDT)
Received: from [199.1.11.116] (dal16.onramp.net [199.1.11.116]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id AAA02534 for <aprssig@tapr.org>; Sat, 29 Jun 1996 00:53:06 -0500 (CDT)
Message-Id: <v02130500adfa6b97bad0@[199.1.11.203]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 00:52:56 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: [APRSSIG:2407] MacAPRS v2.5

IF anyone HAS Macaprs 2.5.0 please post to the APRSsig FTP site.
IF you can't get it there, then E-mail the attachment to me and I will POST it.

The version 2.4.5 and 2.5.0 history files are also missing from both WWW sites.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From kc5ejk@onramp.net Sat Jun 29 01:51:51 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id BAA12632 for <aprssig@tapr.org>; Sat, 29 Jun 1996 01:51:49 -0500 (CDT)
Received: from [199.1.11.116] (dal05.onramp.net [199.1.11.105]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id BAA08224 for <aprssig@tapr.org>; Sat, 29 Jun 1996 01:51:45 -0500 (CDT)
Message-Id: <v02130500adfa78e2da58@[199.1.11.116]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 01:51:35 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: GRID-IN-BEACON FORMAT

GRID-IN-TO FORMAT: WB4APR>FM19SX,W5RRR:...

GRID-IN-BEACON FORMAT: WB4APR>APRS,W5RRR:@FM19sx]...
@ means APRS is online
/ means TNC BEACON only

Then what happens if our BTEXT is say ? : [FM19sx]

which I thought was one of the old standards.

Then If we had:

```
-----  
UNP      APRS VIA W5RRR-1    and NOT   UNP  gridsq VIA W5RRR-1  
BTEXT    [gridsq]  
B        what ever  
-----
```

Then transmitting using a tracker or comm program :

we would see a dig back that looked like:

KC5EJK>W5RRR-1*>APRS:[EM12ou]

Would this not then be received and plotted on ALL version of APRS ???

Just a second note to say that to do the GRID-IN-TO FORMAT command
I think you would type to your TNC:

UNP FN43HB via W5RRR-1

And if you were that lucky person K1HJC M. Morgan, you would see:

K1HJC>W5RRR-1*>FN43HB [UI]:

--

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From christen@codger.physics.duq.edu Sat Jun 29 02:25:01 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id CAA13662 for <aprssig@tapr.org>; Sat, 29
Jun 1996 02:25:00 -0500 (CDT)
Received: from wm11.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA20972; Sat, 29 Jun 1996 03:21:49 -0400
Message-Id: <31D4DA47.3146@codger.physics.duq.edu>
Date: Sat, 29 Jun 1996 03:24:55 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b5Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2507] Re: Repeater Mapping
References: <199606290123.BAA42033@smtp-gw01.ny.us.ibm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

gphowell@interramp.com wrote:

>

> I doubt ANY coordinator would release specific lat and long info without
> permission from the repeater owner. Too much liability for releasing
> precise locations for any nut case with a sledge hammer and some time on
his hands to visit.

The crux of the argument seems to be "precise locations". Seems to me
that degrees and minutes (not seconds) would be plenty ambiguous; that
gives about a mile in any direction.

As for the "nut case with a sledge hammer", I don't think it'll make any
difference. The approximate locations of major repeaters is well known,
and even if not, it's a simple job to DF it.

From ke4eer@worldnet.att.net Sat Jun 29 04:32:26 1996

Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id EAA16626 for
<aprssig@tapr.org>; Sat, 29 Jun 1996 04:32:24 -0500 (CDT)

Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)

id JAA09001; Sat, 29 Jun 1996 09:31:53 GMT

Received: from 233.bridgeton-3.mo.dial-access.att.net(199.69.38.233)

by mailhost.worldnet.att.net with SMTP

id A8968; Sat Jun 29 09:31:35 1996

Message-ID: <31D5140D.2AD3@worldnet.att.net>

Date: Sat, 29 Jun 1996 04:31:25 -0700

From: William Nolle <ke4eer@worldnet.att.net>

X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2510] SAREX digipeater?

References: <Pine.SUN.3.91.960628234308.16285B-1000000@arctic>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>

> Someone asked if the DIGI was in fact enabled on SAREX, since we are not
> seeing any APRS packets.

>

> APRSdos REPLY COMMENT: Yes, because KE4EER has digipeated one packet.
> SO far, his one packet is the only reported UI frame. We are stiii
> waiting for the first report of a POSIT! Boy, i wonder if we are really
> trying.

>

> We need to see lots of people trying!

>

> de wb4apr@amsat.org

Yes Yes i'm sure trying, missed a couple of passes last night but watch for me
today Hi. Each pass i see many people getting conformation back from the
shuttle. I think V76e may have a problem saving the file tough, i will check
that again. Well have to get ready for the first pass of the day.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From wd5ivd@tapr.org Sat Jun 29 05:52:46 1996
Received: (from wd5ivd@localhost) by tapr.org (8.7.5/8.7.3/1.9) id FAA18880; Sat,
29 Jun 1996 05:52:41 -0500 (CDT)
From: Greg Jones <wd5ivd@tapr.org>
Message-Id: <199606291052.FAA18880@tapr.org>
Subject: stuff
To: tapr-bb@tapr.org (TAPR-BB mailing), tprs-board@tapr.org (TPRS Board),
tapr-sys@tapr.org (TAPR SYS), aprssig@tapr.org (BBS SIG mailing)
Date: Sat, 29 Jun 1996 05:52:41 -0500 (CDT)
X-Mailer: ELM [version 2.4 PL25]
Content-Type: text

New addition to the TAPR Virtual Meeting Space!

TPRS (Texas Packet Radio Society) has provided the audio from the day long digital forum held this past June in conjunction with the DFW HamCom convention.

Thanks to Dave Wolf, W05H, President of TPRS and the TPRS group for allowing TAPR to link to this page and provide additional RealAudio resources.

Check it out!

Talks include:

- DXng by Packet,
Presley Smith, N5VGC
- Spread Spectrum an Overview,
Greg Jones, WD5IVD and Tom McDermott, N5EG
- Exploring the Internet,
Lee Ziegenhals, N5LYT
- Beginning Digital Communications,
Greg Jones, WD5IVD
- How to use TexNet,
Jim Neely, WA5LHS
- APRS: Radiolocation by Packet,
Mike Heskett, WB5QLD
- 9600 baud,
Tom McDermott, N5EG
- Packet and the NWS, and
Bob Morgan, WB5A0H
- Accessing the PACSATs.
Robert Diersing, N5AHD

Lots of good pictures as well!

You can get to the page via

<http://www.tapr.org> under the Virtual Meeting page

or

<http://www.tprs.org>

From pidoux@ccr.jussieu.fr Sat Jun 29 07:41:28 1996
Received: from shiva.jussieu.fr (shiva.jussieu.fr [134.157.0.129]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA21914 for <aprssig@tapr.org>; Sat, 29 Jun 1996 07:41:26 -0500 (CDT)
Received: from moka.ccr.jussieu.fr (moka.ccr.jussieu.fr [134.157.1.23]) by shiva.jussieu.fr (8.7.5/jtpda-5.2) with ESMTP id OAA05036 for <aprssig@tapr.org>; Sat, 29 Jun 1996 14:41:23 +0200 (METDST)
Received: from ligne24.ext.jussieu.fr (ligne24.ext.jussieu.fr [134.157.81.183]) by moka.ccr.jussieu.fr (8.7.5/jtpda-5.2) with SMTP id OAA171140 for <aprssig@tapr.org>; Sat, 29 Jun 1996 14:41:20 +0200
Date: Sat, 29 Jun 1996 14:41:20 +0200
Message-Id: <1.5.4.16.19960629144150.269f6fd8@moka.ccr.jussieu.fr>
X-Sender: pidoux@moka.ccr.jussieu.fr
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Bernard Pidoux F6BVP <pidoux@ccr.jussieu.fr>
Subject: Re: [APRSSIG:2504] GPS20 DEAF!!?

At 19:48 28/06/1996 -0500, you wrote:

>One more thought on the deaf GPS20s..

>

>At Dayton, Bob said all you need is the 1.8 inch wire. "It works fine".

>

>If Bob's worked... whats wrong with ours?

>

I was one of the first to ask this question to Bob.

>

>He may have a different batch GPS20?

>

>I got mine in this last batch from TAPR AFTER Dayton.

>

>Anyone else have a new batch GPS20 that is deaf? (or an old batch?)

>

>

>

>Kent

>

>KQ4KK

>

>

>

I have just been able to receive my first GPS sats with a report of MAX 41 using SIGPLOT.BAS without any preamplifier.

I just cut a piece of RG213U coax and made a 2 turns helix with the inner wire that I soldered to a female N connector. Then I made a ground plane loop with the outer mass wire. I soldered the coax cable coming with the GPS20 kit ant put the "antenna" outside of my window of a 3rd floor flat surrounded by other buildings in Paris. The part of the sky that the "loop antenna" can see is probably no more than 30 deg as the street is not large...

No, I have no idea of the resonant frequency of my antenna... but I think this is encouraging... at least for me and probably others.

So, GPS-20 is not DEATH !

73 de

Bernard, f6bvp
AMSAT France President
web server: http://ourworld.compuserve.com/homepages/amsat_f

From N2ZRC@gnn.com Sat Jun 29 07:46:09 1996
Received: from mail-e2b-service.gnn.com (mail-e2b-service.gnn.com [204.148.102.170]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA21998 for <APRSSIG@tapr.org>; Sat, 29 Jun 1996 07:46:07 -0500 (CDT)
Received: from 54-239.client.gnn.com. (54-239.client.gnn.com [205.188.54.239]) by mail-e2b-service.gnn.com (8.7.1/8.6.9) with SMTP id IAA07139 for <APRSSIG@tapr.org>; Sat, 29 Jun 1996 08:45:28 -0400 (EDT)
Message-Id: <199606291245.IAA07139@mail-e2b-service.gnn.com>
X-Mailer: GNNmessenger 1.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 08:45:15
From: Arte Booten <N2ZRC@gnn.com>
To: APRSSIG@tapr.org
Subject: Security Concerns (was: Repeater Maped)

Hi again,

On Fri, 28 Jun 1996 Steve (KA6G) responded, as had others:

>> The Western PA repeater council gives *NO* information.

>Uhm...I would suspect that our local coordination group is
>as tight lipped as you are suggesting ... I'll wager that this
>policy is more pervasive than you imagine.

I suspect (and, for those of you in areas less susceptible to the plague of vandalism than I am) that this is done for the protection of all those thousands of dollars worth of equipment these many clubs have invested, not to mention that of other users of a given repeater site.

You may remember that I operated APRS at Field Day, which we conduct at the repeater site. I intentionally fudged the location I was transmitting (it was the county's Emergency Operations Center's coordinates which is about three miles away.) Our repeater site also houses that county's sheriff, fire, ambulance and other "official" communication equipment.

There's also an old fire tower on that site. Until two years ago, there was also a small cabin for the person on that firewatch, which hasn't been manned for quite a few years.

About two years ago some miscreant decided to toast his marshmallows by the flames he graciously provided to the cabin.

I think these coordinators are well aware of the potential for such happenstances and this may be, at least, a contributing reason for their "tight-lipped-ness." I can't say as I blame them, which is why I fudged the location I transmitted.
73 de

Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)
(Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

Set coordinates 2-7-1, Chewbacca...

From N2ZRC@gnn.com Sat Jun 29 07:46:31 1996
Received: from mail-e2b-service.gnn.com (mail-e2b-service.gnn.com [204.148.102.170]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id HAA22048 for <APRSSIG@tapr.org>; Sat, 29 Jun 1996 07:46:29 -0500 (CDT)
Received: from 54-239.client.gnn.com. (54-239.client.gnn.com [205.188.54.239]) by mail-e2b-service.gnn.com (8.7.1/8.6.9) with SMTP id IAA23212 for <APRSSIG@tapr.org>; Sat, 29 Jun 1996 08:45:54 -0400 (EDT)
Message-Id: <199606291245.IAA23212@mail-e2b-service.gnn.com>
X-Mailer: GNNmessenger 1.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 08:46:10
From: Arte Booten <N2ZRC@gnn.com>
To: APRSSIG@tapr.org
Subject: Re: [APRSSIG:2480] Re: STS-78

Hi All,

On Fri, 28 Jun 1996 Bob Bruninga wrote:

>Why cant you set two memories, one to 145.55 and one to 144.49

A better question: Why can't you set an odd offset on the rig (such as you'd do if a repeater's output was 146.43 & it's input was one megahertz up, ie: 147.43.)? Here in the New York City area (almost 200 2 meter repeaters here) this is a common situation. Most modern rigs (both my Yaesu FT-530 HT & FT-5100 mobile) allow for this by first setting the basic frequency into memory, then programming in the odd offset. By doing so, you'd automatically be monitoring the downlink and transmitting on the uplink. 73

Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)
(Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

Set coordinates 2-7-1, Chewbacca...

From KD4EMI@aol.com Sat Jun 29 08:30:29 1996
Received: from emout07.mail.aol.com (emout07.mx.aol.com [198.81.11.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA23899 for <aprssig@tapr.org>; Sat, 29 Jun 1996 08:30:27 -0500 (CDT)
From: KD4EMI@aol.com
Received: by emout07.mail.aol.com (8.6.12/8.6.12) id JAA21312 for aprssig@tapr.org; Sat, 29 Jun 1996 09:29:54 -0400
Date: Sat, 29 Jun 1996 09:29:54 -0400
Message-ID: <960629092952_343345529@emout07.mail.aol.com>
To: aprssig@tapr.org
Subject: re: shuttle

well I confirmed that the rig is on the right splits, using regular APRS in Space mode...

Its sitting there..ARMED...so far no joy..
Mike
KD4EMI@AOL.COM

From woharris@hooked.net Sat Jun 29 09:23:50 1996
Received: from mom.hooked.net (root@mom.hooked.net [206.80.6.10]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA25752 for <aprssig@tapr.org>; Sat, 29 Jun 1996 09:23:47 -0500 (CDT)
Received: from mail.hooked.net (woharris@worm.hooked.net [206.80.6.43]) by mom.hooked.net (8.7.4/8.7.3) with SMTP id HAA13495 for <aprssig@tapr.org>; Sat, 29 Jun 1996 07:23:39 -0700 (PDT)
Message-Id: <199606291423.HAA13495@mom.hooked.net>
X-Sender: woharris@mail.hooked.net
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 07:23:11 -0700
To: aprssig@tapr.org
From: wilbert harris <woharris@hooked.net>

Subject: Validation

Hi Bob: Name is willie. Bob i'm validated with you. I have a new call and would like to get re-validated. Can't find my old # for validation.

My old call was KE6KQE..New call is W6HST..

Name is:

Wilbert O. Harris

25 Sylvia cir.

Novato, Ca. 94947

E-Mail woharris@hooked.net

You should have all the info with you. Want to get re-set-up on APRS..

Thanks ahead of time..Really like APRS..

73,s de Willie..W6hst (former Ke6Kqe)

From w5rkn@amsat.org Sat Jun 29 09:37:12 1996

Received: from zoom.bga.com (root@zoom.realtime.net [205.238.128.40]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id JAA26236 for <aprssig@tapr.org>; Sat, 29 Jun 1996 09:37:09 -0500 (CDT)

Received: from [204.251.33.90] (jake-7j.ip.realtime.net [204.251.33.90]) by zoom.bga.com (8.6.12/8.6.12) with SMTP id JAA20008 for <aprssig@tapr.org>; Sat, 29 Jun 1996 09:37:04 -0500

X-Sender: rparsons@mailserv.bga.com

Message-Id: <v02140b00adfaef9e4279@[204.251.33.90]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 29 Jun 1996 09:36:51 -0500

To: aprssig@tapr.org

From: w5rkn@amsat.org (Ronald G. Parsons)

Subject: APRS Shuttle digipeat heard

Just received a posit from WB4LTF

WB4LTF>W5RRR-1*>EL98IP:Orlando Fl

at 0933 CDT 1433 UTC

Shuttle only about 8 degrees elevation here.

Ron W5RKN

also:

rparsons@bga.com

From msjth@uxa.ecn.bgu.edu Sat Jun 29 09:46:59 1996

Received: from uxa.ecn.bgu.edu (uxa.ecn.bgu.edu [143.43.1.11]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA26403 for <aprssig@tapr.org>; Sat, 29 Jun 1996 09:46:56 -0500 (CDT)

Received: from tty006.wiu.bgu.edu (tty006.wiu.bgu.edu [143.43.200.106]) by uxa.ecn.bgu.edu (8.7.3/8.7.3) with SMTP id JAA24820 for <aprssig@tapr.org>; Sat,

29 Jun 1996 09:46:59 -0500 (CDT)
Date: Sat, 29 Jun 1996 09:46:59 -0500 (CDT)
Message-Id: <199606291446.JAA24820@uxa.ecn.bgu.edu>
X-Sender: msjth@uxa.ecn.bgu.edu
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: msjth@uxa.ecn.bgu.edu (jay hainline)
Subject: posit report via SAREX
X-Mailer: <Windows Eudora Version 1.4.2b16>

On an STS-78 pass this morning, I copied the posit packet from N8DEU, EM64QS, Tim at Huntsville, AL at 1436z June 29. He was the only posit that I plotted on APRS with several packets copied from W5RRR-1 acking connects. I sent my posit several times but did not see myself being digipeated. Wonder if anyone may have seen me?

73, Jay...

Jay Hainline KA9CFD EN40
Macomb, IL
msjth@uxa.ecn.bgu.edu

From khufford@erols.com Sat Jun 29 09:56:50 1996
Received: from smtp2.erols.com (root@smtp2.erols.com [205.252.116.102]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id JAA27189 for <aprssig@tapr.org>; Sat, 29 Jun 1996 09:56:46 -0500 (CDT)
Received: from khufford.erols.com (man-as2s60.erols.com [206.161.170.124]) by smtp2.erols.com (8.7.3/8.6.5) with SMTP id KAA15271 for <aprssig@tapr.org>; Sat, 29 Jun 1996 10:56:43 -0400 (EDT)
Message-Id: <199606291456.KAA15271@smtp2.erols.com>
X-Sender: khufford@pop.erols.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 14:56:54 -0400
To: aprssig@tapr.org
From: Kent V Hufford <khufford@erols.com>
Subject: GPS20 deaf?

Well, I have bypass caps between ground and the input and output of the 7805.

This morning, I sat it out for 1 hour. Got half scale on sat 27. Then it left the horizon and nothing.

Any other ideas?

thanks,

Kent

KQ4KK

From mhaas@onramp.net Sat Jun 29 10:09:00 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id KAA27913 for <aprssig@tapr.org>; Sat, 29 Jun 1996 10:08:58 -0500 (CDT)
Received: from [199.1.11.229] (stemmons65.onramp.net [199.1.11.229]) by mailhost.onramp.net (8.7.3/8.6.5) with ESMTP id KAA10790 for <aprssig@tapr.org>; Sat, 29 Jun 1996 10:08:55 -0500 (CDT)
Message-Id: <v0300760363b2f2cf24fb@[199.1.11.166]>
In-Reply-To: <v02130500adfa6b97bad0@[199.1.11.203]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 1 Jan 1957 10:06:31 -0500
To: aprssig@tapr.org
From: Mark Haas <mhaas@onramp.net>
Subject: Re: [APRSSIG:2518] Re: MacAPRS v2.5

>IF anyone HAS Macaprs 2.5.0 please post to the APRSSig FTP site.
>IF you can't get it there, then E-mail the attachment to me and I
>will POST it.
>
>The version 2.4.5 and 2.5.0 history files are also missing from
>both WWW sites.
>
>73
>
>Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

Bob,

I got an email from Keith that he was going to be posting the "new" version today. We'll see!!

Mark

Mark Haas
IEEE Computer Society Vice President for Conferences & Tutorials
m.haas@computer.org
mhaas@ieee.org
+1-214-516-6253
KC5HTN

From etroy@aeroconsult.com Sat Jun 29 10:17:12 1996
Received: from mail.voicenet.com (mail.voicenet.com [207.103.0.35]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA28211 for <aprssig@tapr.org>; Sat, 29 Jun 1996 10:17:10 -0500 (CDT)
Received: from ibm.ibm.net (ivyland204.voicenet.com [206.228.127.103]) by mail.voicenet.com (8.6.12/8.6.12) with SMTP id LAA11419 for <aprssig@tapr.org>; Sat, 29 Jun 1996 11:17:03 -0400
Message-Id: <2.2.32.19960629151708.006f68a8@popmail.voicenet.com>
X-Sender: etroy@popmail.voicenet.com

X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 11:17:08 -0400
To: aprssig@tapr.org
From: Ed Troy <etroy@aeroconsult.com>
Subject: Signal level from Shuttle?

I've been monitoring 145.55 continuously since the launch, and I have not heard any signals from the shuttle. I've heard MIR 5x9 every day, even on a handheld. Is the signal level from the shuttle considerably lower than that from MIR?

Ed

From rsellers@misha.net Sat Jun 29 12:42:33 1996
Received: from misha.net (delta.www.com [204.120.206.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA03957 for <aprssig@tapr.org>; Sat, 29 Jun 1996 12:42:31 -0500 (CDT)
Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4) id MAA13146; Sat, 29 Jun 1996 12:42:24 -0500
Date: Sat, 29 Jun 1996 12:42:24 -0500
Message-Id: <199606291742.MAA13146@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:2399] DFjr Question?

>Has anyone out there connected their GPS to the DFjr using the
>Multi-Port Adapter (MPA) and noticed any garbled data in the
>beginning of the NMEA \$GPRMC data stream, specifically the time
>portion right after the \$GPRMC(garble)?

>

>We have *one* customer having such a problem. It would be much
>appreciated if someone else could check it out, we can't seem to
>reproduce the problem here, thus unable to fix it.

>

Hi Joe,

I will be as Soooooooooonnnn As I get mine. I was told mine will ship week of July 23.

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@misha.net
E-Mail Work: rsellers@snds.com

From rsellers@misha.net Sat Jun 29 12:42:42 1996
Received: from misha.net (delta.www.com [204.120.206.5]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA03976 for <aprssig@tapr.org>; Sat, 29 Jun 1996 12:42:41 -0500 (CDT)

Received: from rsellers by misha.net (SMI-8.6/SMI-SVR4)
id MAA13148; Sat, 29 Jun 1996 12:42:25 -0500
Date: Sat, 29 Jun 1996 12:42:25 -0500
Message-Id: <199606291742.MAA13148@misha.net>
X-Sender: rsellers@misha.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: rsellers@misha.net (Roger Sellers)
Subject: Re: [APRSSIG:2471] Re: Garmin 45

>Paul Sadowski wrote:

>>

>> Just to let everyone know... this weekend on, Garmin GPS 45's for sale
>> for \$240 at boat US... \$230 if you are a member and got the flyer in
>>

>> Al

>> AH6LS

>

>Magellan is a better deal since it INCLUDES bracket and cable which is
>almost \$50 extra with Garman 45. Same store.

>

>Bud (WB4LTF)

>

>

For those un-initiated ones that have never heard of this store or dont
have one locally, How asbout an address and/or phone number to go with this.

Roger Sellers

Amateur Radio: KB9LBU

E-Mail Home: rsellers@misha.net

E-Mail Work: rsellers@snds.com

From ke4eer@worldnet.att.net Sat Jun 29 12:55:49 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA04679 for
<aprssig@tapr.org>; Sat, 29 Jun 1996 12:55:47 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id RAA04456; Sat, 29 Jun 1996 17:55:13 GMT
Received: from 152.bridgeton-3.mo.dial-access.att.net(199.69.38.152)
by mailhost.worldnet.att.net with SMTP
id A3833; Sat Jun 29 17:52:39 1996
Message-ID: <31D58981.3C27@worldnet.att.net>
Date: Sat, 29 Jun 1996 12:52:33 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2532] Signal level from Shuttle?
References: <2.2.32.19960629151708.006f68a8@popmail.voicenet.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Troy wrote:

>
> I've been monitoring 145.55 continuously since the launch, and I have not
> heard any signals from the shuttle. I've heard MIR 5x9 every day, even on a
> handheld. Is the signal level from the shuttle considerably lower than that
> from MIR?
>
> Ed

I believe it is a lot lower Ed, although you should have heard it. Just now it made a pass using voice and they were saying something about being given another day. And someone posted they had a beacon from N8DEU he also showed on my map but that may have been direct since his location is only 25 miles from me. Strange mine didn't make it at the same time his did, except i was running APRS.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From cheisler@cyberia.com Sat Jun 29 13:06:03 1996
Received: from cyberia.com (cyberia.com [205.160.224.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id NAA05377 for <aprssig@tapr.org>; Sat, 29 Jun 1996
13:05:59 -0500 (CDT)
Message-Id: <199606291805.NAA05377@tapr.org>
Received: from sl12.cyberia.com by cyberia.com
with SMTP (IPAD 1.1) id 3712500 ; Sat, 29 Jun 96 14:08:48 EST
X-Sender: cheisler@cyberia.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 14:05:51 -0400
To: aprssig@tapr.org
From: "Charles E. Heisler" <cheisler@cyberia.com>
Subject: Re: [APRSSIG:2443] Re: GPS-20 *HELP!

At 09:50 >where my GP-20 has sat for hours without a clue.

>
>The dipole I've been using is a short (~5 in) chunk of RG-58, with
>a BNC connector (which is what's on the outside of my boxed GP-20)
>on one end. On the other end I've separated the shield and coax
>(at 1.8 inches long, each), bent them each 90 degrees in different
>directions, making a "T".
>
>Unfortunately I don't have any commercial antennas, without ripping
>apart my Icom, which I really don't want to do.
>
>Maybe I'll try your groundplane, and find a good, clear parking lot
>to hang out in for about 20 minutes.
>
>David, n00xh

David, my *first* fix took 1 1/2 hrs. with a good ant in the clear.

Charlie K3VDB

>
>

From w5rkn@amsat.org Sat Jun 29 14:32:05 1996
Received: from zoom.bga.com (root@zoom.realtime.net [205.238.128.40]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA08588 for <aprssig@tapr.org>; Sat, 29 Jun 1996 14:32:02 -0500 (CDT)
Received: from [204.251.33.80] (jake-6p.ip.realtime.net [204.251.33.80]) by zoom.bga.com (8.6.12/8.6.12) with SMTP id OAA17795 for <aprssig@tapr.org>; Sat, 29 Jun 1996 14:31:53 -0500
X-Sender: rparsons@mailserv.bga.com
Message-Id: <v02140b03adfb34215ae9@[204.251.33.80]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 14:31:41 -0500
To: aprssig@tapr.org
From: w5rkn@amsat.org (Ronald G. Parsons)
Subject: Re: MacAPRS v2.5

Note that the date of your e-mail is 1 Jan 1957. If Keith ships "today" that's about right for software release timing :-)

Ron W5RKN

>Date: Tue, 1 Jan 1957 10:06:31 -0500
>From: Mark Haas <mhaas@onramp.net>
>To: aprssig@tapr.org
>Subject: Re: MacAPRS v2.5
>Message-ID: <v0300760363b2f2cf24fb@[199.1.11.166]>
>
>>IF anyone HAS Macaprs 2.5.0 please post to the APRSsig FTP site.

...

>I got an email from Keith that he was going to be posting the "new" version
>today. We'll see!!
>
>Mark
>
>-----
>Mark Haas

Ron W5RKN

also:
rparsons@bga.com

From Spirited01@aol.com Sat Jun 29 14:39:38 1996

Received: from emout14.mail.aol.com (emout14.mx.aol.com [198.81.11.40]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA08898 for <APRSSIG@tapr.org>; Sat, 29 Jun 1996 14:39:34 -0500 (CDT)

From: Spirited01@aol.com

Received: by emout14.mail.aol.com (8.6.12/8.6.12) id PAA22739 for APRSSIG@tapr.org; Sat, 29 Jun 1996 15:39:53 -0400

Date: Sat, 29 Jun 1996 15:39:53 -0400

Message-ID: <960629153953_343591667@emout14.mail.aol.com>

To: APRSSIG@tapr.org

Subject: SUBSCRIBE

Looking for maps of the Chicago, Illinois area.
Particularly the NW suburb of Elgin, Illinois.

Tnx de Bill n9gvd

From jkeck@smartlink.net Sat Jun 29 14:45:01 1996

Received: from warp10.smartlink.net (smartlink.net [204.118.4.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA08957 for <aprssig@tapr.org>; Sat, 29 Jun 1996 14:44:59 -0500 (CDT)

Received: from smartlink.smartlink.net by warp10.smartlink.net(8.6.12/SMARTLINK-1.0) with id MAA27630 SMTP

for <aprssig@tapr.org> on Sat, 29 Jun 1996 12:47:06 -0700

Message-Id: <2.2.32.19960629194458.0069dc00@smartlink.net>

X-Sender: jkeck@smartlink.net

X-Mailer: Windows Eudora Pro Version 2.2 (32)

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sat, 29 Jun 1996 12:44:58 -0700

To: aprssig@tapr.org

From: james keck <jkeck@smartlink.net>

Subject: STS78 Activity Report

Absolutely frustrating. Nothing heard on any of the 5 passes this Saturday morning. The pass at 0725 to 0733 PDT was above 40 degrees and should have brought some activity.

Bob asked about West Coast stations monitoring. I am located 35 miles North of Los Angeles and have been set up in the Space Mode and Armed using APRS76e for the past three days. I did not record any activity on Thursday or Friday and wanted to actually observe the Saturday passes and see if there were some problems.

Jim, N6HNY

Santa Clarita, CA

From rtucker@moocow1.ttgciitn.com Sat Jun 29 14:45:33 1996

Received: from insosf1.netins.net (ttgciitn@insosf1.netins.net [167.142.225.5]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id OAA08979 for <aprssig@tapr.org>; Sat, 29 Jun 1996 14:45:29 -0500 (CDT)

Received: (from ttgciitn@localhost) by insosf1.netins.net id OAA13031 for

aprssig@tapr.org; Sat, 29 Jun 1996 14:45:26 -0500 (CDT)
X-Authentication-Warning: insosf1.netins.net: ttgcitn set sender to
rtucker@moocow1.ttgciitn.com using -f
Received: from moocow1.ttgciitn.com (moocow1.ttgciitn.com [10.42.1.3]) by
crasher2.ttgciitn.com (8.7.5/960507.rtucker) with SMTP id OAA04543; Sat, 29 Jun
1996 14:37:24 -0500
Date: Sat, 29 Jun 1996 14:37:24 -0500
Message-Id: <199606291937.OAA04543@crasher2.ttgciitn.com>
X-Sender: rtucker@crasher2
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: Ryan Tucker <rtucker@moocow1.ttgciitn.com>
Subject: Re: [APRSSIG:2535] Re: Signal level from Shuttle?
Cc: aprssig@tapr.org

At 01:14 PM 6/29/96 -0500, William Nolle wrote:
>made a pass using voice and they where saying something about being given
>another day. And someone posted they had a beacon from N8DEU he also showed on

FYI, since it was mentioned :-)

Space Shuttle Goes for Record

There were high fives and smiles all round aboard shuttle Columbia today, as mission control confirmed the medical research flight will last a record-breaking 17 days. With the theme from the movie ``Mission Impossible'' playing in the background, spacecraft communicator Chris Hadfield told the crew the mission manager had agreed to let them break the previous record, which was also set by Columbia. That means Columbia is scheduled to return home on the morning of July 7. Columbia's crew is studying the effects of space travel on the human body.

(from Reuters National Summary, 6/29/96, 3pm EDT)

Looks like there's a decent amount of time ahead :-) -rt

--

```
#!/bin/sh
# Ryan Tucker <rtucker@ttgcitn.com>
# President, TTGCITN Communications
lynx http://www.ttgciitn.com
```

From msjth@uxa.ecn.bgu.edu Sat Jun 29 14:53:17 1996
Received: from uxa.ecn.bgu.edu (uxa.ecn.bgu.edu [143.43.1.11]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id OAA09362 for <aprssig@tapr.org>; Sat, 29 Jun 1996
14:53:16 -0500 (CDT)
Received: from tty018.wiu.bgu.edu (tty018.wiu.bgu.edu [143.43.200.118]) by
uxa.ecn.bgu.edu (8.7.3/8.7.3) with SMTP id OAA28966 for <aprssig@tapr.org>; Sat,
29 Jun 1996 14:53:27 -0500 (CDT)
Date: Sat, 29 Jun 1996 14:53:27 -0500 (CDT)
Message-Id: <199606291953.OAA28966@uxa.ecn.bgu.edu>

X-Sender: msjth@uxa.ecn.bgu.edu
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: msjth@uxa.ecn.bgu.edu (jay hainline)
Subject: Re: [APRSSIG:2532] Signal level from Shuttle?
X-Mailer: <Windows Eudora Version 1.4.2b16>

>I've been monitoring 145.55 continuously since the launch, and I have not
>heard any signals from the shuttle. I've heard MIR 5x9 every day, even on a
>handheld. Is the signal level from the shuttle considerably lower than that
>from MIR?

>

>Ed

>

Yes, signals are weak. I am using a 10 element horizontal yagi with a
Mirage amp with built in preamp for receive. On the pass this morning,
I could hear it with a Ringo dual band verticle but it was not full
quieting which is what you need to copy fm packet.

73, Jay...

Jay Hainline KA9CFD EN40
Macomb,IL
msjth@uxa.ecn.bgu.edu

From bruninga@nadm.navy.mil Sat Jun 29 15:27:45 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id PAA10904 for <aprssig@tapr.org>; Sat, 29
Jun 1996 15:27:43 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
QAA20974; Sat, 29 Jun 1996 16:28:40 -0400
Date: Sat, 29 Jun 1996 16:28:40 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2519] GRID-IN-BEACON FORMAT
In-Reply-To: <v02130500adfa78e2da58@[199.1.11.116]>
Message-ID: <Pine.SUN.3.91.960629161855.20844A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> APR summarized the GRIDSQUARE FORMATS AS:
> GRID-IN-TO FORMAT: WB4APR>FM19SX,W5RRR:...
> GRID-IN-BEACON FORMAT: WB4APR>APRS,W5RRR:@FM19sx]...
> @ means APRS is online
> [means TNC BEACON only
> -----

Robert Winingham noted that the formats would actually look like the
following on an AEA tnc which uses a non-standard TAPR display format

>
> KC5EJK>W5RRR-1*>APRS:[EM12ou]
>

> K1HJC>W5RRR-1*>FN43HB [UI]:

AND I was wrong about the old grid square format that WOULD be [EM12ou] and not /EM12ou] as I indicated. Also, my display above was the transmitted packet and mine did not show the *'s that the receiving TNC would add on the display. Thanks for pointing that out.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sat Jun 29 16:19:30 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA13285 for <aprssig@tapr.org>; Sat, 29 Jun 1996 16:19:28 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id RAA21253; Sat, 29 Jun 1996 17:20:25 -0400
Date: Sat, 29 Jun 1996 17:20:25 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: APRS Sarex report (6)
Message-ID: <Pine.SUN.3.91.960629165044.20844F-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Finally seeing some APRS reports. SAREX signals appear quite weak and the orientation of the shuttle favors looking aft, meaning you will get the best signals after it passes you. With 3 KHz doppler, you might consider listening on 145.555 and transmitting on 144.485 in this case. (Note +5 to listen, -5 to transmit. Reverse these during approach).
* PLEASE include in your reports your LOCATION on this earth, and the
* TIMEZONE of all TIME references. I am having to send back a request for
* this information on almost EVERY report that comes in... Thanks.

DAY EDT ZULU COMMENTS

21	1745	2145z	Voice K04HD Fl Keys	
21		2238z	Voice Guiccone San Diego, and W5GEL Texas	
22	0915	1315z	through 1400 on 23 June nothing heard on 9 passes	
23	1535	1935z	voice heard in S. Fla	
23		2110z	Voice heard in Calif	
24	0740	1140z	nothing heard on next 4 passes	
24	1355	1755z	voice reported in Texas	END FIELD DAT
24	1530	1930z	nothing heard on next 3 passes	
25	1045	1445z	I missed the pass	
25	1230	1620z	Voice over usa. They said Packet soon!	
25	1400	1750z	Voice over USA	
26	0730	1130z	Packet reported fm Alabama	
26	0904	1304z	Packet reported in Houston & East coast	
		1313?	K1HJC>FN43HB,W5RRR-1*>APRS 0.5 on line	*** First POSIT
26	1350	1750z	packets over USA	
26	1500	1900z	? (I missed it. Anyone else have a report?)	

27 0725 1125z nothing heard this pass and the 0900 EDT pass
 27 1035 1435z voice heard on this and 1610z, and 1745z passes
 27 1510 1910z ? (i missed it. Anyone else have a report?)
 28 0725 1125z 22 packets copied in Maryland
 28 0900 1300z nothing heard (tho 27 pkts reported in TX by KB0UZQ?)
 28 1036 1436z voice heard
 28 1915z packets heard in Calif
 29 0730 1130z voice heard
 29 0900 1300z nothing heard
 29 1027 1427z packets. KE6AFE Posit reported?
 1433z WB4LTF>EL98IP,W5RRR-1*:Orlando FL
 1436z N8DEU>EM640S,W5RRR-1*:Tim at Huntsville, AL
 29 1911z WB6LLO APRS success reported in Calif?

WB6LLO reports APRS "SUCCESS" but no one has reported seeing his packet?
 Reports from South America include NO SAREX, voice or packets heard.

Remember, in SPACE mode, the GRID SQUARE POSIT is inserted in your
 BEACON. Do not send any APRS packets except your BEACON. Use the
 XMIT-BEACON command. Do not send APRS messages!

Look on the ALL-BEACONS page to see the list of separate packets heard.
 Unfortunately it does not show the TO callsign, but it does give more
 information than the LATEST and D pages show.

Later when things calm down, sending your POSIT might be OK, but that is
 a much longer packet and is not needed if you send a SPACE MODE BEACON.
 The SPACE MODE BEACON will put you on the map (using the gridsquare format)

de wb4apr@amsat.org

From sem2r@galen.med.virginia.edu Sat Jun 29 16:35:16 1996
 Received: from virginia.edu (mars.itc.Virginia.EDU [128.143.2.9]) by tapr.org
 (8.7.5/8.7.3/1.9) with SMTP id QAA13723 for <aprssig@tapr.org>; Sat, 29 Jun 1996
 16:35:15 -0500 (CDT)
 Received: from avery.med.virginia.edu by mail.virginia.edu id aa25461;
 29 Jun 96 17:35 EDT
 Received: from default (slip-5-15.acc.Virginia.EDU [128.143.7.135]) by

avery.med.Virginia.EDU (8.7.1/8.6.6) with SMTP id RAA42113 for <aprssig@tapr.org>;
Sat, 29 Jun 1996 17:35:06 -0400
Message-Id: <2.2.32.19960629213509.00754a0c@avery.med.virginia.edu>
X-Sender: sem2r@avery.med.virginia.edu
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 17:35:09 -0400
To: aprssig@tapr.org
From: "Stacey E. Mills, M.D." <sem2r@galen.med.virginia.edu>
Subject: Garmin-20 Deaf!!!

Hello Group,

The bypass capacitors question/solution was a good one.
Unfortunately, I've had them present between the supply-ground and regulated
output-ground from the beginning. I started with 0.27 uF and the comment
did cause me to up them to 1.0 uF, but this has had no effect. I've tried
batteries as well as power supplies.....

I still get no lock with an antenna setup which will give lock in
about 2 minutes on the Garmin -45. My reading of the comments shows a
definite biphasic set of responses....some (like Ron Parsons) have no
problem, and others are clearly in the deaf mode....I'd be happy to send my
board to Ron P. or Bob B. to have someone perform an independent "hearing
test."

--de WB4QKT
Stacey E. (Chuck) Mills
E-mail: sem2r@galen.med.virginia.edu

From jkeck@smartlink.net Sat Jun 29 16:47:52 1996
Received: from warp10.smartlink.net (smartlink.net [204.118.4.2]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id QAA14158 for <aprssig@tapr.org>; Sat, 29 Jun 1996
16:47:50 -0500 (CDT)
Received: from smartlink.smartlink.net by warp10.smartlink.net(8.6.12/
SMARTLINK-1.0) with id OAA01980 SMTP
for <aprssig@tapr.org> on Sat, 29 Jun 1996 14:49:56 -0700
Message-Id: <2.2.32.19960629214748.006af8a0@smartlink.net>
X-Sender: jkeck@smartlink.net
X-Mailer: Windows Eudora Pro Version 2.2 (32)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 14:47:48 -0700
To: aprssig@tapr.org
From: james keck <jkeck@smartlink.net>
Subject: STS78 Packet Frequency?

I just read a message that appeared on our Packet Bulletin Board,
in this message it stated that 144.49 was being used for both the
uplink and downlinking of packet.

It further stated that Voice Operations would be conducted on
145.55 downlink and the 144.9XX series for the uplink.

If this is correct, many of us are listening to the wrong channel.

Any comments?

73, N6HNY

From ke4eer@worldnet.att.net Sat Jun 29 18:02:01 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA18378 for <aprssig@tapr.org>; Sat, 29 Jun 1996 18:01:59 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id XAA16046; Sat, 29 Jun 1996 23:01:27 GMT
Received: from 161.middletown-57.va.dial-access.att.net(207.116.6.161) by mailhost.worldnet.att.net with SMTP id A16018; Sat Jun 29 23:01:18 1996
Message-ID: <31D5D1D2.26EB@worldnet.att.net>
Date: Sat, 29 Jun 1996 18:01:06 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2525] Re: STS-78
References: <199606291245.IAA23212@mail-e2b-service.gnn.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Arte Booten wrote:

>
> Hi All,
>
> On Fri, 28 Jun 1996 Bob Bruninga wrote:
>
> >Why cant you set two memories, one to 145.55 and one to 144.49
>
> A better question: Why can't you set an odd offset on the
> rig (such as you'd do if a repeater's output was 146.43 & it's
> input was one megahertz up, ie: 147.43.)? Here in the New York
> City area (almost 200 2 meter repeaters here) this is a common
> situation. Most modern rigs (both my Yaesu FT-530 HT & FT-5100
> mobile) allow for this by first setting the basic frequency in-
> to memory, then programming in the odd offset. By doing so,
> you'd automatically be monitoring the downlink and transmitting
> on the uplink. 73
>
> Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)
> (Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)
> [Cruise Missile Coordinates: 40 52.69N / 073 54.06W]
>
> Set coordinates 2-7-1, Chewbacca...

Art your right, (Head down and red faced) i should have known that. Thanks

maybe that will work better now.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From bruninga@nadm.navy.mil Sat Jun 29 18:25:25 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA19169 for <aprssig@tapr.org>; Sat, 29 Jun 1996 18:25:22 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id TAA21890; Sat, 29 Jun 1996 19:26:19 -0400
Date: Sat, 29 Jun 1996 19:26:19 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2545] STS78 Packet Frequency?
In-Reply-To: <2.2.32.19960629214748.006af8a0@smartlink.net>
Message-ID: <Pine.SUN.3.91.960629192534.21841B-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 29 Jun 1996, james keck wrote:

> I just read a message that appeared on our Packet Bulletin Board,
> in this message it stated that 144.49 was being used for both the
> uplink and downlinking of packet.
*** WRONG ***. Downlink is on 145.55 for packet

> It further stated that Voice Operations would be conducted on
> 145.55 downlink and the 144.9XX series for the uplink.
*** CORRECT

de wb4apr@amsat.org

From cheisler@cyberia.com Sat Jun 29 19:23:31 1996
Received: from cyberia.com (cyberia.com [205.160.224.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA21606 for <aprssig@tapr.org>; Sat, 29 Jun 1996 19:23:28 -0500 (CDT)
Message-Id: <199606300023.TAA21606@tapr.org>
Received: from sl54.cyberia.com by cyberia.com
with SMTP (IPAD 1.1) id 3789400 ; Sat, 29 Jun 96 20:25:26 EST
X-Sender: cheisler@cyberia.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 20:22:27 -0400
To: aprssig@tapr.org
From: "Charles E. Heisler" <cheisler@cyberia.com>
Subject: Re: [APRSSIG:2430] Re: GPS-20 *HELP!

TNX Bob;...It seems all it needed was more time. It took
aprox 1 1/2 hrs under a clear sky and then it was ok.

However Tom Clark suggests a 28 ohm resistor to raise the ground of the 6805 to get the output to 5.3V. I thought of trying a diode. But one way or the other I want to get that Voltage just above 5.0V.

TNX again,

-73- Charlie K3VDB

From cheisler@cyberia.com Sat Jun 29 19:27:30 1996
Received: from cyberia.com (cyberia.com [205.160.224.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA21634 for <aprssig@tapr.org>; Sat, 29 Jun 1996 19:27:27 -0500 (CDT)
Message-Id: <199606300027.TAA21634@tapr.org>
Received: from sl54.cyberia.com by cyberia.com with SMTP (IPAD 1.1) id 3791500 ; Sat, 29 Jun 96 20:30:19 EST
X-Sender: cheisler@cyberia.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 29 Jun 1996 20:27:20 -0400
To: aprssig@tapr.org
From: "Charles E. Heisler" <cheisler@cyberia.com>
Subject: Re: [APRSSIG:2432] Re: GPS-20 *HELP!

At 02:30 AM 6/27/96 -0500, you wrote:

>>> The only thing I can see that is a bit strange is the output of the 7805 is 4.88v with or without load.

>

>How accurate is your voltmeter? 4.88 is within 2.5% of 5v. Few voltmeters have greater accuracy.

>

TNX Steve:.....It seems $1\sqrt{2}$ under a clear sky is all it needed.

-73- Charlie K3VDB

-73- For Now Charlie K3VDB

```

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 / / | | _ _ / \ \ / / / / _ _ / / / _ _ /
 / _ _ | | / _ _ / \ X / _ _ / _ _ / _ _ /
 \ On Satellites KO-23 KO-25 AO-13 modes B & S /
 \           E- Mail k3vdb@amsat.org           /
 \-----/

```

From ksproul@rci.rutgers.edu Sat Jun 29 20:07:38 1996
Received: from niflheim.rutgers.edu (niflheim.rutgers.edu [128.6.7.76]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA23391 for <aprssig@tapr.org>; Sat, 29 Jun 1996 20:07:37 -0500 (CDT)
Received: (from ksproul@localhost) by niflheim.rutgers.edu (8.6.12+bestmx+oldruq+newsunq/8.6.12) id VAA24497 for aprssig@tapr.org; Sat, 29 Jun 1996 21:07:33 -0400
Date: Sat, 29 Jun 96 21:07:33 EDT

From: Keith Sproul <ksproul@rci.rutgers.edu>
To: aprssig@tapr.org
Subject: MacAPRS 2.6.0!!!
Message-ID: <CMM-RU.1.5.836096853.ksproul@niflheim.rutgers.edu>

The long-awaited MacAPRS update is now up on the TAPR and RUTGERS FTP sites.

The new version is 2.6.0 and has a couple of major new features, and many small things enhanced or fixed.

There were a couple of small bugs in version 2.5.0 so I did not want to put it up after Dayton. And we were busy getting more features between the Mac and Windows version to be the same.

New Features:

- * Global Labels

If you have a favorite set of labels that you would like to see on ALL of your maps, put them in normal DOS LABEL format, put them in a file and put that file in a folder called LABELS in the MacAPRS folder. These labels will appear on ALL maps.

- * Global Label List (so you can see what the labels are)

- * Icon List

A window that shows all of the ICONs (More of a help/info screen than anything else)

- * Lots of new stuff having to do with complex weather display.

Check out

<http://www-ns.rutgers.edu/~ksproul/APRS/APRSWIND.html>

for more details.

This has to do with the balloon stuff I am working on.

Minor fixes:

- * The problem where a station would mysteriously move has been fixed.

Thanks to W5UGQ and KB5WIO for helping track this one down.

- * Many small things having to do with weather input.

- * A couple minor problems with call-book data.

- * Lots of minor improvements in many different areas.

Too many to mention

Keith & Mark Sproul
(the Sproul Brothers)

From bruninga@nadm.navy.mil Sat Jun 29 21:49:20 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id VAA27382 for <aprssig@tapr.org>; Sat, 29 Jun 1996 21:49:18 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id WAA23067; Sat, 29 Jun 1996 22:50:15 -0400
Date: Sat, 29 Jun 1996 22:50:14 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: rwf <rwf@mindspring.com>
Subject: GEORGIA Maps
Message-ID: <Pine.SUN.3.91.960629224638.23045A-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was working like gangbusters on Georgia maps, but stopped waiting for the client to send me the maps of the Marathon course. Now it has been over a week, and I'm not sure where I was. Nor which computer has the latest of my work. But Ralph wanted what I have, so I just uploaded it as GAmaps03.zip. in tapr.org in tapr/SIG/aprssig/files/upload

I have LOTS more street level maps, but was waiting for the Marathon route before I spent the time integrating them in to the package.

So what will be in the final version will be more detail from Ga Tech on up north along the Marathon route..

de wb4apr@amsat.org

From steve@eng.adaptec.com Sat Jun 29 22:12:41 1996
Received: from milpitas.adaptec.com (milpitas.adaptec.com [162.62.21.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA28120 for <aprssig@tapr.org>; Sat, 29 Jun 1996 22:12:39 -0500 (CDT)
Received: from eng.adaptec.com ([162.62.20.6]) by milpitas.adaptec.com (4.1/SMI-4.1)
id AA12518; Sat, 29 Jun 96 20:09:32 PDT
Received: from kona by eng.adaptec.com (4.1/SMI-4.1)
id AA07963; Sat, 29 Jun 96 20:14:07 PDT
Date: Sat, 29 Jun 96 20:14:07 PDT
From: steve@eng.adaptec.com (Steve Wilson x2388)
Message-Id: <9606300314.AA07963@eng.adaptec.com>
To: aprssig@tapr.org
Subject: DFjr results..the real thing

I finally got a chance to give the DFjr a serious test drive today. I took part in the SF Bay area "Pack a lunch" t-hunt. This hunt has no physical boundaries except you must be heard at the start...and this was the first time my partner in crime(wb6w) and myself had tried this type of hunt. We were also using the DFjr as our main instrument(the quad & SSB rig were along too, but we only used that to get an initial

bearing.)

The hunt started in Pleasanton. For those of you not familiar with this area..Pleasanton sits in a valley about in the middle of the range of hills that separate SF bay from California's central valley. Everyone got bearings pointing out along the Altamont Pass which is how you get to the valley from there. This is a narrow valley with hills perhaps 500 to 1000 feet above the valley floor. We were getting doppler readings about 40% of the time we were in the pass. I compared notes with one Roanoke user who didn't get any doppler readings until he got onto the valley floor! So, maybe here the DFjr was giving us some advantage(though the direction at that point was obvious...no other way the signal could get there!)

As we cleared the Altamont pass, and started down into the central valley we got some very strong readings pointing NE. We actually had the Smeter moving on the radio at this point, though that only lasted while we still had elevation. Once we were on the valley floor we had pretty consistant Doppler headings the entire run! We put the unit in and out of averaging mode, and found that we liked the raw data mode better when the signal was weak mainly cause we could use our own judgment about when to believe the bearings we were seeing...and the fact that there is a "LOW" signal indicator helps with this too!

We followed the bearings out the 580 freeway until it becomes the 205. Finally, we got a bearing saying go North young man as we hit the 5 freeway, which is one of the two main arteries running N/S thru the Central valley. At this point we'd probably already gone 30 miles.

The bearing pointed right up the freeway for about 30 miles...and we as we had guessed the signal started bearing to the West as we approached Stockton. We got off the freeway just short of our first chance to cross the delta water way because we had a pretty good hard right indicated from the DFjr. The signal was essentially full scale on the meter at this point too.

We followed our nose on surface streets till we ran into the delta channel. At this point we figured we were within a few hundred yards of the T, but it looked like it was on the other side of the channel. We back

tracked too the freeway, and crossed the channel, and got back off as soon as we could.

This is when it got interesting instead of easy. The signal had dropped significantly by coming across the river? We ran up and down the river on either side of the freeway, and started getting south bearing vectors? We did see one of the other hunters...we weren't that far off if others were around. The signal dropped down to the S1/S2 range on the meter? The best we could figure is that the guy must be running some sort of super beam and we were on the very back side of it...we didn't particularly like that theory though cause we should have seen a much stronger signal than we were.

When all else fails...follow your instruments.

The DFjr was reliably pointing South now...so we went south. Within a few minutes we got to an intersection we had already traversed and the signal was still s2? The meter had been full scale when we had been here before and the bearings had been north towards the river?

Anyway...south we went along a frontage road to the freeway...and south and south a good 5 or 8 miles. The vector was creeping slowly towards a 90 degree vector...and just at about at a sign that announced a county park, the vector stayed 90 reliably, and even went beyond 90 a bit...time for a right turn. We come barrowling down the road towards a levy and this park at which point our proximty detector(HT with no antenna) goes off. The only parking was IN the park...\$4 later.sheesh. This is where we finally found the T...why hadn't we found him here earlier as we headed north on the freeway...because he was in a boat and he moved!

We essentially followed him down the channel as he relocated the boat! We think he moved when we got near the river...we didn't see him...but he must have seen us or one of our co-horts.

We weren't the first hunter to located him.
Another Roanoke Doppler equipped team
got there first by about 10 minutes. They
had taken roughly the same track as we did,
i.e. all the way to Stockton, then back.
Total distance traveled was about 70 miles!
The next team rolled in about 10 minutes
after we got there... also Roanoke equipped.

It's hard to say who won this one.... if the
boat had stayed put another 5 minutes..we
would have found him in the channel 30 minutes
earlier....but he didn't. I guess the winner
was anyone who managed to keep up with him!

Overall, the DFjr performed admirably. We
NEVER got the Quad out, and this was
definitely a weak signal hunt at the beginning.
The boat was running 20W into a gain vertical...
and some how bouncing up the Altamont pass
successfully. We always had some sort of
doppler indication on the signal! Hey...I think
I got my money's worth!

Steve KA6S

From sdimse@bridge.net Sat Jun 29 22:14:18 1996
Received: from relay3.UU.NET (relay3.UU.NET [192.48.96.8]) by tapr.org
(8.7.5/8.7.3/1.9) with ESMTP id WAA28197 for <aprssig@tapr.org>; Sat, 29 Jun 1996
22:14:15 -0500 (CDT)
Received: from bridge.net by relay3.UU.NET with ESMTP
(peer crosschecked as: newworld.bridge.net [204.253.4.4])
id QQawgy23566; Sat, 29 Jun 1996 23:14:13 -0400 (EDT)
Received: from [199.174.152.73] (dd10-073.compuserve.com [199.174.152.73]) by
bridge.net (8.7.5/8.7.3) with SMTP id XAA14663 for <aprssig@tapr.org>; Sat, 29 Jun
1996 23:11:20 -0400 (EDT)
Message-Id: <199606300311.XAA14663@bridge.net>
Subject: Re: [APRSSIG:2550] MacAPRS 2.6.0!!!
Date: Sat, 29 Jun 96 23:14:29 -0400
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

>The long-awaited MacAPRS update is now up on the TAPR and RUTGERS FTP sites.

>

Thank goodness. I was afraid you guys had given up on the Mac version!

From bruninga@nadm.navy.mil Sat Jun 29 22:14:41 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA28231 for <aprssig@tapr.org>; Sat, 29
Jun 1996 22:14:40 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id XAA23149; Sat, 29 Jun 1996 23:15:37 -0400
Date: Sat, 29 Jun 1996 23:15:37 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: SAREX QSL #'s
Message-ID: <Pine.SUN.3.91.960629230842.23045B@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Also, when you detect packets from the shuttle, it would be nice if you mentioned what the current QSL serial number is...

Don't forget, tell me your CALL, Your location (generally) and time in UTC!

And if you see an APRS POSIT, quote it exactly..

PRELIMINARY unofficial RESULTS:

- 1) not a lot of opportunities
- 2) weak signals
- 3) APRS is NOT interfering with the QSO ROBOT! hi hi
- 4) Not enough APRS stations trying???? (How can we prove or disprove this?)

Here, when I listen on the packet uplink, I do NOT hear but an occasional other local attempting packet uplink. I contrast this with some of the earlier SAREX packet missions where several stations were usually heard... But then, these are working hour passes and that was years ago...

de wb4apr@amsat.org

From jms@pobox.com Sat Jun 29 23:08:14 1996
Received: from kb5yvf.usl.edu (dsrvlaf2-2.linknet.net [206.97.140.144]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA00810 for <aprssig@tapr.org>; Sat, 29 Jun 1996 23:08:11 -0500 (CDT)
Message-Id: <m0uaDSp-00020gC@kb5yvf.usl.edu>
Date: Sat, 29 Jun 96 22:46 CDT
To: aprssig@tapr.org
CC: aprssig@tapr.org
In-reply-to: <CMM-RU.1.5.836096853.ksproul@niflheim.rutgers.edu> (message from Keith Sproul on Sat, 29 Jun 1996 20:16:01 -0500 (CDT))
Subject: Re: [APRSSIG:2550] MacAPRS 2.6.0!!!
From: jms@pobox.com (Johnie Stafford)
Reply-To: jms@pobox.com
X-URL: <http://www.pobox.com/~jms>
Reply-To: jms@pobox.com

>>>> "ks" == Keith Sproul <ksproul@rci.rutgers.edu> writes:

ks> The long-awaited MacAPRS update is now up on the TAPR and RUTGERS FTP sites.

ks> The new version is 2.6.0 and has a couple of major new features, and many small

ks> things enhanced or fixed.

The other day I asked if there is a Linux version of APRS and got no response, I'll take that as a 'no'.

So, is there a source distribution of either DOS/Win APRS or Mac APRS available anywhere?

APRS sounds like something I'd like to play around with, but I only have Linux at home.

Johnie

--

```
-----
Johnie Stafford          | Internet E-mail: jms@pobox.com
KB5YVF - Lafayette, LA   | Ham Radio Packet: kb5yvf@k5arh.#1ftla.la.us.noam
                          | WWW URL: http://www.pobox.com/~jms
                          |
                          | pobox.com for lifetime email -- mail info@pobox.com
-----
```

From n2czf@magg.net Sat Jun 29 23:22:06 1996
Received: from grumpy.magg.net (root@grumpy.magg.net [205.218.112.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id XAA01476 for <aprssig@tapr.org>; Sat, 29 Jun 1996 23:22:04 -0500 (CDT)
Received: from Cybergate (wpb-192.magg.net [205.218.112.192]) by grumpy.magg.net (8.7.5/8.7.3) with SMTP id AAA25835; Sun, 30 Jun 1996 00:20:24 -0400
Date: Sun, 30 Jun 1996 00:20:24 -0400
Message-Id: <199606300420.AAA25835@grumpy.magg.net>
X-Sender: n2czf@magg.net
X-Mailer: Windows Eudora Version 1.4.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: aprssig@tapr.org
From: n2czf@magg.net (Richard Garcia)
Subject: FL APRS Page Updated
Cc: ldevillo@magg.net

Several new updates have been added to the Florida APRS Home Page. A few bits of new news and quite a few new Links to ARES/RACES groups in the state and also FEMA, the Red Cross and some others.

I have also added a survey to the page so please fill this form out when you check in. The form is geared to get a better understanding of where APRS activity is going on Florida and also to get a list of active APRS users on Internet. Those of you with Java Compatable browsers will have a good laugh when you click on to the form page. I hope you can all read FAST!

73's Rich N2CZF

n2czf@magg.net

<http://www.magg.net/~n2czf> (Personal)

<http://www.magg.net/~n2czf/aprs.html> (Florida APRS)

Jupiter Farms Florida EL96

From ksproul@rci.rutgers.edu Sun Jun 30 00:22:11 1996
Received: from niflheim.rutgers.edu (niflheim.rutgers.edu [128.6.7.76]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA09989 for <aprssig@tapr.org>; Sun, 30
Jun 1996 00:22:09 -0500 (CDT)
Received: (from ksproul@localhost) by niflheim.rutgers.edu
(8.6.12+bestmx+oldruq+newsunq/8.6.12) id BAA28273 for aprssig@tapr.org; Sun, 30
Jun 1996 01:22:03 -0400
Date: Sun, 30 Jun 96 1:22:03 EDT
From: Keith Sproul <ksproul@rci.rutgers.edu>
To: aprssig@tapr.org
Subject: X-APRS
Message-ID: <CMM-RU.1.5.836112123.ksproul@niflheim.rutgers.edu>

>The other day I asked if there is a Linux version of APRS and got no
>response, I'll take that as a 'no'.

At Dayton, we had an ALPHA version of X-APRS running.
We got lots of good comments on this, from people that recognized that
it was indeed a SUN running X-Windows and not Microsoft Windows.

X-APRS is a a fully compatible version of APRS that runs under X-Windows.

We do not have a time estimate for the release of X-APRS yet, but
we might have it in beta by the end of the year (NO PROMISES).

For those note familiar with Unix systems, X-Windows is the Graphical User
Interface that runs on UNIX systems.

>So, is there a source distribution of either DOS/Win APRS or Mac APRS
>available anywhere?

No, Source is NOT available.

Keith

From b.gotshall@worldnet.att.net Sun Jun 30 00:44:00 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA11672 for
<aprssig@tapr.org>; Sun, 30 Jun 1996 00:43:57 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id FAA06992; Sun, 30 Jun 1996 05:43:26 GMT
Received: from 142.orlando-2.fl.dial-access.att.net(199.70.197.142)
by mailhost.worldnet.att.net with SMTP
id A6744; Sun Jun 30 05:43:02 1996
Message-ID: <31D63D62.10EF@worldnet.att.net>
Date: Sun, 30 Jun 1996 01:40:02 -0700
From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
X-Mailer: Mozilla 2.01E (Win16; I)

MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2547] Re: STS78 Packet Frequency?
References: <Pine.SUN.3.91.960629192534.21841B-100000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> On Sat, 29 Jun 1996, james keck wrote:
>
> > I just read a message that appeared on our Packet Bulletin Board,
> > in this message it stated that 144.49 was being used for both the
> > uplink and downlinking of packet.
> *** WRONG ***. Downlink is on 145.55 for packet
>
> > It further stated that Voice Operations would be conducted on
> > 145.55 downlink and the 144.9XX series for the uplink.
> *** CORRECT
>
> de wb4apr@amsat.org

Guess thats why I never saw my reply!!!
Thanks to those who saw it and reorted it!!!

Bud WB4ltf

From b.gotshall@worldnet.att.net Sun Jun 30 00:44:00 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id AAA11671 for
<aprssig@tapr.org>; Sun, 30 Jun 1996 00:43:56 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id FAA06983; Sun, 30 Jun 1996 05:43:25 GMT
Received: from 142.orlando-2.fl.dial-access.att.net(199.70.197.142)
by mailhost.worldnet.att.net with SMTP
id A6703; Sun Jun 30 05:42:59 1996
Message-ID: <31D63A64.5DF2@worldnet.att.net>
Date: Sun, 30 Jun 1996 01:27:16 -0700
From: "B.G. Gotshall" <b.gotshall@worldnet.att.net>
X-Mailer: Mozilla 2.01E (Win16; I)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2534] Re: Garmin 45
References: <199606291742.MAA13148@misha.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roger Sellers wrote:

>
> >Paul Sadowski wrote:
> >>
> >> Just to let everyone know... this weekend on, Garmin GPS 45's for sale

> >> for \$240 at boat US... \$230 if you are a member and got the flyer in
> >>
> >> A1
> >> AH6LS
> >
> >Magellan is a better deal since it INCLUDES bracket and cable which is
> >almost \$50 extra with Garman 45. Same store.
> >
> >Bud (WB4LTF)
> >
> >
> For those un-initiated ones that have never heard of this store or dont
> have one locally, How about an address and/or phone number to go with this.
>
> Roger Sellers
> Amateur Radio: KB9LBU
> E-Mail Home: rsellers@misha.net
> E-Mail Work: rsellers@snds.com There are 30 stores nation wide. Depends which
one you are near.

Bud. WB4LTF

From ke4eer@worldnet.att.net Sun Jun 30 05:03:26 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net
[204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA18130 for
<aprssig@tapr.org>; Sun, 30 Jun 1996 05:03:24 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id KAA01032; Sun, 30 Jun 1996 10:02:53 GMT
Received: from 144.dallas-1.tx.dial-access.att.net(199.69.132.144)
by mailhost.worldnet.att.net with SMTP
id A1012; Sun Jun 30 10:02:33 1996
Message-ID: <31D66CD3.5F54@worldnet.att.net>
Date: Sun, 30 Jun 1996 05:02:27 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2554] SAREX QSL #'s
References: <Pine.SUN.3.91.960629230842.23045B@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> Also, when you detect packets from the shuttle, it would be nice if you
> mentioned what the current QSL serial number is...
>

Well seen some packets this morning, signal was very weak, i did get a message
on my V screen stating CONGRATS!! your packet was digipeated, Does it mean my
beacon was finally digipeated?. If so did anyone see me, i'm starting to think
this is not working hi. Here are the beacons i seen.

W5RRR-1>W5JXM #672
W5RRR-1>WA2IWW #673

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From ke4eer@worldnet.att.net Sun Jun 30 05:33:38 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id FAA19352 for <aprssig@tapr.org>; Sun, 30 Jun 1996 05:33:37 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id KAA06004; Sun, 30 Jun 1996 10:33:06 GMT
Received: from 228.dallas-1.tx.dial-access.att.net(199.69.132.228) by mailhost.worldnet.att.net with SMTP id A5893; Sun Jun 30 10:32:38 1996
Message-ID: <31D673E1.758C@worldnet.att.net>
Date: Sun, 30 Jun 1996 05:32:33 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: STS-78
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a question. I'm running version 76e beta. Why can't i save any files. Yes i have LOG on but when i do a F-S and enter the name and then look at it not all the info is in there. Like the last pass Columbia made i seen two packets yet it only saved one?. By the way those packets where from W4JXM in Louisville.KY and WA2IWW in Murray.NY, of course they where not running APRS or a gridsquare cause they didn't show on my map, these guys must not have heard about APRS yet Hi Hi..

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From ke4eer@worldnet.att.net Sun Jun 30 06:44:41 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id GAA21125 for <aprssig@tapr.org>; Sun, 30 Jun 1996 06:44:39 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id LAA19849; Sun, 30 Jun 1996 11:44:08 GMT
Received: from 49.bridgeton-3.mo.dial-access.att.net(199.69.38.49) by mailhost.worldnet.att.net with SMTP id A19794; Sun Jun 30 11:43:38 1996
Message-ID: <31D68484.16C9@worldnet.att.net>
Date: Sun, 30 Jun 1996 06:43:32 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0
To: aprssig@tapr.org
Subject: STS-78
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got 4 packet beacons the second pass this morning. What i would like to know when it tells a user the following.

VE3HIR:#731-IS YOUR STS-78 SAREX QSO NUMBER
K0UWO:#729-IS YOUR STS-78 SAREX QSO NUMBER
N1UZN:#732-IS YOUR STS-78 SAREX QSO NUMBER

By the way these are the ones i heard this morning on the second pass.
Now this is the one that puzzles me.

W5RRR-1>SAREX:#729-IS YOUR STS-78 SAREX QSO NUMBER

Now as you can see that is K0UWO's confirmation number.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From bruninga@nadn.navy.mil Sun Jun 30 08:23:28 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA24025 for <aprssig@tapr.org>; Sun, 30 Jun 1996 08:23:26 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id JAA25481; Sun, 30 Jun 1996 09:24:24 -0400
Date: Sun, 30 Jun 1996 09:24:23 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2561] STS-78
In-Reply-To: <31D673E1.758C@worldnet.att.net>
Message-ID: <Pine.SUN.3.91.960630091940.25426B-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 30 Jun 1996, William Nolle wrote:

> I have a question. I'm running version 76e beta. Why can't i save any
> files. Yes i have LOG on but when i do a F-S and enter the name and then
> look at it not all the info is in there. Like the last pass Columbia made
> i seen two packets yet it only saved one?. By the way those packets where

APRSDOS REPLY COMMENT: There are two subtle notes about FILE-SAVE:

- 1) It does not save the DIGI'S-PAGE
- 2) If you give it the name of BACKUP, then it will NOT save the LOG and track history files. This is since it always saves BACKUP when it exits APRS, it doesn't waste space with the LOG and TRACK history unless you give it another name.

It only saves what it sees on the L, P, Heard, and other lists.
APRS listening to only one station W5RRR will only show one entry on the L page, even if 100 QSO packets were logged, since ALL 100 were from the same station. Look on the ALL-BEACONS page to see the multiple packets...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 30 08:27:54 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA24069 for <aprssig@tapr.org>; Sun, 30 Jun 1996 08:27:52 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id JAA25507; Sun, 30 Jun 1996 09:28:50 -0400
Date: Sun, 30 Jun 1996 09:28:50 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2562] STS-78
In-Reply-To: <31D68484.16C9@worldnet.att.net>
Message-ID: <Pine.SUN.3.91.960630092528.25426C@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 30 Jun 1996, William Nolle wrote:

> I got 4 packet beacons the second pass this morning.
> VE3HIR:#731-IS YOUR STS-78 SAREX QSO NUMBER
> K0UWO:#729-IS YOUR STS-78 SAREX QSO NUMBER
> N1UZN:#732-IS YOUR STS-78 SAREX QSO NUMBER
>
> Now this is the one that puzzles me.
>
> W5RRR-1>SAREX:#729-IS YOUR STS-78 SAREX QSO NUMBER

APRSDOS REPLY COMMENT: W5RRR-1 sent 10 disconnects to K0UWO and never got an ACK. Then it reverts to its UNPROTO TO call which is SAREX. You will notice this on all TNC's that have timed out on a disconnect sequence, that they will dump their SEND buffer to the UNPROTO callsign.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 30 08:53:03 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id IAA24940 for <aprssig@tapr.org>; Sun, 30 Jun 1996 08:53:01 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id JAA25599; Sun, 30 Jun 1996 09:53:59 -0400
Date: Sun, 30 Jun 1996 09:53:59 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: APRS Sarex report (7)

Message-ID: <Pine.SUN.3.91.960629193401.21841D-100000@arctic>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I am surprised that the SAREX activity has been much higher than I thought:

- * SAREX active every day for 10 days except for the 22nd
- * There have been 11 voice passes and 10 packet robot passes so far
- * There have been 15 passes with no activity (not counting the 5 on 22nd)
- * So on a pass/pass basis, SAREX has been active on almost 60% of the passes (except for 22 June).

DAY	EDT	ZULU	COMMENTS
21	1745	2145z	Voice K04HD Fl Keys
21		2238z	Voice Guiccone San Diego, and W5GEL Texas
22	0915	1315z	through 1400 on 23 June nothing heard on 9 passes
23	1535	1935z	voice heard in S. Fla
23		2110z	Voice heard in Calif
24	0740	1140z	nothing heard on next 4 passes
24	1355	1755z	voice reported in Texas
24	1530	1930z	nothing heard on next 3 passes
25	1045	1445z	I missed the pass
25	1230	1620z	Voice over usa. They said Packet soon!
25	1400	1750z	Voice over USA
26	0730	1130z	Packet reported fm Alabama
26	0904	1304z	Packet reported in Houston & East. QSO#'s 104 to 130
		1313z	K1HJC>FN43HB,W5RRR-1*>APRS 0.5 on line *** First POSIT
		1010	1610z packets. QSO#'s 141
26	1356	1756z	packets over USA QSO#'s 214
26	1500	1900z	? (I missed it. Anyone else have a report?)
27	0725	1125z	nothing heard this pass and the 0900 EDT pass
27	1035	1435z	voice heard on this and 1610z, and 1745z passes
27	1510	1910z	? (i missed it. Anyone else have a report?)
28	0725	1125z	22 packets copied in Maryland
28	0900	1300z	27 pkts reported in TX and AL by KB0UZQ and KE4EER
28	1036	1436z	voice heard
28		1915z	packets heard in Calif. WB6LL0 "success"
29	0730	1130z	voice heard
29	0900	1300z	nothing heard
29	1027	1427z	packets. KE6AFE Posit reported? (someone send me a copy)
		1433z	WB4LTF>EL98IP,W5RRR-1*:Orlando FL
		1436z	N8DEU>EM64QS,W5RRR-1*:Tim at Huntsville, AL (TNC only)
29	1346	1746z	Voice reported in FL
29		1911z	WB6LL0 APRS success reported in Calif? (Anyone see it?)
		1920z	Voice reported in Honduras
30	0545	0945z	QSO#'s 672. KE4EER gets "CONGRATS" (Anyone see it?)
30	0720	1120z	QSO#'s 729
30	0850	1250z	nothing heard in MD

Still need someone who saw WB6LL0, KE4EER and KB0UZQ APRS packets.

I still have two passes un accounted for.. If you have raw data to fill in or correct entries above, please send them to me. I would also like to get the QSO#'s for every packet pass.

APRS NOTE: Look on the ALL-BEACONS page to see the list of separate packets heard. Unfortunately it does not show the T0 callsign, but it does give more information than the LATEST and D pages show.

ALSO check the OCT demb terminal mode and hit the TNC UNPROTO comand to confirm that it is setup for GRIDSQUARE via W5RRR-1.

de wb4apr@amsat.org

From byoung@qni.com Sun Jun 30 10:58:57 1996
Received: from qni.com (root@qni.com [206.29.114.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id KAA28913 for <aprssig@tapr.org>; Sun, 30 Jun 1996 10:58:55 -0500 (CDT)
From: byoung@qni.com
Received: from 206.29.114.147 (s147.qni.com) by qni.com (5.x/SMI-SVR4) id AA21938; Sun, 30 Jun 1996 10:59:34 -0500
Date: Sun, 30 Jun 1996 10:59:33 -0500
Message-Id: <9606301559.AA21938@qni.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Subject: Re: [APRSSIG:2564] Re: STS-78
To: aprssig@tapr.org
In-Reply-To: <Pine.SUN.3.91.960630092528.25426C@arctic>
X-Mailer: SPRY Mail Version: 04.00.06.17

Bob's comment in message #2564 regarding what the SAREX ROBOT does when it issues a disconnect and gets no response would explain what I saw this AM:

(H)eard Log: 1 @ 0600 CDT
(D)igipeaters Used: *W5RRR-1 > SAREX

No "CONGRATS!!!!..." message this morning (darn it!). I've had two times where APRS 7.6e (beta) has told me that I've

digipeated, but nobody thus far has seen it. I'm going to check my TNC as per Bob's message #2565 to *ENSURE* that I'm set for "GRIDSQUARE via W5RRR-1".

On the bright side, we still have all week to keep trying...

Bill Young
byoung@qni.com
KB0UZQ
Smithville (Kansas City), MO

From cbuttsch@slonet.org Sun Jun 30 12:01:51 1996
Received: from spork.callamer.com (cbuttsch@spork.callamer.com [199.74.141.2]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id MAA00866 for <aprssig@tapr.org>; Sun, 30 Jun 1996 12:01:49 -0500 (CDT)
Received: from localhost (cbuttsch@localhost) by spork.callamer.com (8.7.5/8.7.3) with SMTP id JAA10897; Sun, 30 Jun 1996 09:59:16 -0700 (PDT)
Date: Sun, 30 Jun 1996 09:59:16 -0700 (PDT)
From: Clifford Buttschardt <cbuttsch@slonet.org>
X-Sender: cbuttsch@spork.callamer.com
To: Bob Bruninga <bruninga@nadn.navy.mil>
cc: aprssig@tapr.org
Subject: Re: Garmin 20 TAPR kit,,sucess
In-Reply-To: <Pine.SUN.3.91.960629230842.23045B@arctic>
Message-ID: <Pine.SOL.3.93.960630094734.7480F-100000@spork.callamer.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob and the newgroup. Bob, you indicated wanting to know of sucess with newer users such as myself. Yes, mine works fine obtaining a lockon just minutes ago. A suggestion for others: I made a temporary antenna by stripping back 1 7/8 inches of the provided RG174 coax outter covering, then unbraided the shield finally twisting the shield into four "ground planes". The inner conductor was left intact with the polyethylene covering. All this does is make a simple antenna BUT has the advantage of preventing shorts to the internal conductor, which would be disaster.

I could NOT get a lockon inside the house. The unit had to be placed outside. Once that was done, lockon occurred in 17 minutes with a brand new unit never have been in this area. Cliff Buttschardt K7RR

From bruninga@nadn.navy.mil Sun Jun 30 12:05:57 1996
Received: from arctic.nadn.navy.mil (arctic.nadn.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA01234 for <aprssig@tapr.org>; Sun, 30 Jun 1996 12:05:56 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadn.navy.mil (8.6.12/8.6.12) id NAA26726; Sun, 30 Jun 1996 13:06:53 -0400
Date: Sun, 30 Jun 1996 13:06:53 -0400 (EDT)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: RE: Doppler on SAREX
Message-ID: <Pine.SUN.3.91.960630130311.26676A-100000@arctic>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

WB4APR SAID:-> and the orientation of the shuttle favors looking aft, meaning you will get the best singals after it passes you. With 3 KHz doppler, you might consider listening on 145.555 and transmitting on 144.485 in this case. (Note +5 to listen, -5 to transmit. Reverse these during approach).

TO WHICH N4NR POINTED OUT I SAID IT BACKWARDS! He is correct, of course.

From ke4eer@worldnet.att.net Sun Jun 30 12:10:33 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.4]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA01345 for <aprssig@tapr.org>; Sun, 30 Jun 1996 12:10:31 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id RAA11235; Sun, 30 Jun 1996 17:09:58 GMT
Received: from 109.bridgeton-3.mo.dial-access.att.net(199.69.38.109) by mailhost.worldnet.att.net with SMTP id A11065; Sun Jun 30 17:09:46 1996
Message-ID: <31D6D0F1.1DBF@worldnet.att.net>
Date: Sun, 30 Jun 1996 12:09:37 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: STS-78
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well i missed the 4th and 5th pass, but with the path that i got the Congrats!! with was after i had set my radio to 145.555 and the offset to 144.485 guess that does work pretty good that way. And by he way Bob i did save the files by another name.

--

Bill KE4EER
ke4eer@worldnet.att.net
ke4eer@amsat.org

From ke4eer@worldnet.att.net Sun Jun 30 12:53:28 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA03452 for <aprssig@tapr.org>; Sun, 30 Jun 1996 12:53:26 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4) id RAA05263; Sun, 30 Jun 1996 17:52:53 GMT
Received: from 105.middletown-57.va.dial-access.att.net(207.116.6.105) by mailhost.worldnet.att.net with SMTP id A5188; Sun Jun 30 17:52:48 1996
Message-ID: <31D6DB0A.44E5@worldnet.att.net>
Date: Sun, 30 Jun 1996 12:52:42 -0700
From: William Nolle <ke4eer@worldnet.att.net>
X-Mailer: Mozilla 2.01 (Win16; U)

MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2568] RE: Doppler on SAREX
References: <Pine.SUN.3.91.960630130311.26676A-1000000@arctic>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Bruninga wrote:

>
> WB4APR SAID:-> and the orientation of the shuttle favors looking aft,
> meaning you will get the best singals after it passes you. With 3 KHz
> doppler, you might consider listening on 145.555 and transmitting on
> 144.485 in this case. (Note +5 to listen, -5 to transmit. Reverse these
> during approach).
>
> TO WHICH N4NR POINTED OUT I SAID IT BACKWARDS! He is correct, of course.

You know it doesn't take to many of you to totally confuse an old man like myself. WHAT IS BACKWARDS does it take +5 to listen and -5 to transmit when it's coming at you now RIGHT.

--

Bill (KE4EER)
ke4eer@worldnet.att.net
ke4eer@amsat.org

From bruninga@nadm.navy.mil Sun Jun 30 12:56:35 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id MAA03527 for <aprssig@tapr.org>; Sun, 30 Jun 1996 12:56:34 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id NAA27152; Sun, 30 Jun 1996 13:57:30 -0400
Date: Sun, 30 Jun 1996 13:57:30 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2527] Validation
In-Reply-To: <199606291423.HAA13495@mom.hooked.net>
Message-ID: <Pine.SUN.3.91.960630135715.26676E-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

V# for W6HST is 98303

de wb4apr@amsat.org

From Timothy_A._Cunningham@ccgate.genrad.com Sun Jun 30 13:17:47 1996
Received: from genrad.com (genrad.genrad.com [132.223.4.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id NAA04216 for <aprssig@tapr.org>; Sun, 30 Jun 1996 13:17:43 -0500 (CDT)
From: Timothy_A._Cunningham@ccgate.genrad.com
Received: from ccgate by genrad.com (5.65)
id AA11664; Sun, 30 Jun 1996 14:16:57 -0400
Received: from ccMail by ccgate.genrad.com (SMTPLINK V2.10.05)
id AA836169645; Sun, 30 Jun 96 13:15:45 EST

Date: Sun, 30 Jun 96 13:15:45 EST
Message-Id: <9605308361.AA836169645@ccgate.genrad.com>
To: aprssig@tapr.org, Bob Bruninga <bruninga@nadn.navy.mil>
Cc: amsat-bb@amsat.org
Subject: Re: APRS Sarex report (7)

Bob,

Below are some QSL/QRZ beacons with some of the call signs you were looking for. Times are specified in CDST.

W5RRR-1>QRZ [06/28/96 06:31:08] <UI>:
#439-N1PPP N2UME KB2KEI VE3EFX N9MYK N5SRV N1JEZ W5HUQ N8ULU N9AB
KE4MOG N3CXP KC4ZGQ KB5GON N9JGQ KC5TGC KC5JPG WB9UQE N5LRL N9PKI
KB5VHG N8QJL KB5JRA KE4EER N5ZNL WA5NOM WA4JAV N5TIM W9NTP N5VWM
K5VAS KG5IT ZL1HAU ZL3UCP JA5DTP

W5RRR-1>QSL [06/28/96 06:31:09] <UI>:
N9JGQ/343 N8ULU/340 KB5VHG/320 WA4JAV/313 K5VAS/307 ZL3UCP/302
JA5DTP/297
ZS5TM/289 ZS5MMD/288 ZS5NAC/284 JR8XPV/227 JA7TQK/228 JR5EBL/225
KD6VXJ/221
K04GA/215

W5RRR-1>QRZ [06/29/96 09:33:51] <UI>:
#596-W9IXX WB4FIN AE0G N8DEU VE3EFX N8TN WB4LTF WA0ZZG WB5HJV N9ABK
N0NTW AA0W N0PGE KB8KPV N0WTA CALL KD6DUR W6JRY KB7WFO K6GZ KB7SOR
WB9AWX KE6AFE WA6LIE KK6BY WA6LXB VE7ITC VE7XQ AC6GN VK5ANK ZS6BMN
ZS5DU WB6LLO WB6UCD N6HNY

W5RRR-1>QSL [06/29/96 09:33:52] <UI>:
CALL/544 VK6JKR/513 ZL2AYO/497 JJ2RYW/471 EA8BRW/432 KF9WW/406
N7UFT/404
W7ZXQ/394 VK2ZM/384 VE1KK/360 VE3EFX/354 KB2RCT/353 N9JGQ/343
N8ULU/340
KB5VHG/320

W5RRR-1>QST [06/29/96 09:35:35] <I S0 R0>:
Best Wishes to today's Sarex Schools Maple Grove and Anacortes

W5RRR-1>QRZ [06/29/96 09:35:52] <UI>:
#605-VE2ZAZ AB4DQ KD4UPF VE3NBJ AL7EV W4JXM N8NYU KD4DBC N9PKI W9IXX
WB4FIN AE0G N8DEU VE3EFX N8TN WB4LTF WA0ZZG WB5HJV N9ABK N0NTW AA0W
N0PGE KB8KPV N0WTA CALL KD6DUR W6JRY KB7WFO K6GZ KB7SOR WB9AWX
KE6AFE WA6LIE KK6BY WA6LXB

W5RRR-1>QSL [06/29/96 09:35:54] <UI>:
N8NYU/570 WB4FIN/567 N8DEU/566 N9PKI/563 CALL/544 VK6JKR/513
ZL2AYO/497

JJ2RYW/471 EA8BRW/432 KF9WW/406 N7UFT/404 W7ZXQ/394 VK2ZM/384
VE1KK/360
VE3EFX/354

W5RRR-1>QST [06/30/96 04:49:49] <I S1 R0>:
processed some metals in a
high temperature furnace.
We have had 700 confirmed packet contacts so far. Let's go for 1000
before our 17 day mission is over.
All of the SAREX school contacts have been very enjoyable for the
crew.
Today Chuck
W5RRR-1>QST [06/30/96 04:49:50] <I S2 R0>:
will talk with students in Toowomba, Australia.
73's from Tom, Kevin, Susan, Rick, Chuck, Mongo and Bob

73's de Tim - N8DEU
n8deu@amsat.org

o

----- Reply Separator -----
Subject: APRS Sarex report (7)
Author: Bob Bruninga <bruninga@nadn.navy.mil> at CCGATE
Date: 6/30/96 11:12 AM

I am surprised that the SAREX activity has been much higher than I thought:
* SAREX active every day for 10 days except for the 22nd
* There have been 11 voice passes and 10 packet robot passes so far
* There have been 15 passes with no activity (not counting the 5 on 22nd)
* So on a pass/pass basis, SAREX has been active on almost 60% of the
passes (except for 22 June).

DAY	EDT	ZULU	COMMENTS
21	1745	2145z	Voice K04HD Fl Keys
21		2238z	Voice Guiccone San Diego, and W5GEL Texas
22	0915	1315z	through 1400 on 23 June nothing heard on 9 passes
23	1535	1935z	voice heard in S. Fla
23		2110z	Voice heard in Calif
24	0740	1140z	nothing heard on next 4 passes
24	1355	1755z	voice reported in Texas
24	1530	1930z	nothing heard on next 3 passes
25	1045	1445z	I missed the pass
25	1230	1620z	Voice over usa. They said Packet soon!
25	1400	1750z	Voice over USA
26	0730	1130z	Packet reported fm Alabama
26	0904	1304z	Packet reported in Houston & East. QSO#'s 104 to 130

1313? K1HJC>FN43HB,W5RRR-1*>APRS 0.5 on line *** First POSIT

1010 1610z packets. QS0#'s 141

26 1356 1756z packets over USA QS0#'s 214

26 1500 1900z ? (I missed it. Anyone else have a report?)

27 0725 1125z nothing heard this pass and the 0900 EDT pass

27 1035 1435z voice heard on this and 1610z, and 1745z passes

27 1510 1910z ? (i missed it. Anyone else have a report?)

28 0725 1125z 22 packets copied in Maryland

28 0900 1300z 27 pkts reported in TX and AL by KB0UZQ and KE4EER

28 1036 1436z voice heard

28 1915z packets heard in Calif. WB6LL0 "success"

29 0730 1130z voice heard

29 0900 1300z nothing heard

29 1027 1427z packets. KE6AFE Posit reported? (someone send me a copy)

1433z WB4LTF>EL98IP,W5RRR-1*:Orlando FL

1436z N8DEU>EM64QS,W5RRR-1*:Tim at Huntsville, AL (TNC only)

29 1346 1746z Voice reported in FL

29 1911z WB6LL0 APRS success reported in Calif? (Anyone see it?)

1920z Voice reported in Honduras

30 0545 0945z QS0#'s 672. KE4EER gets "CONGRATS" (Anyone see it?)

30 0720 1120z QS0#'s 729

30 0850 1250z nothing heard in MD

Still need someone who saw WB6LL0, KE4EER and KB0UZQ APRS packets.
 I still have two passes un accounted for.. If you have raw data to fill
 in or correct entries above, please send them to me. I would also like
 to get the QS0#'s for every packet pass.

APRS NOTE: Look on the ALL-BEACONS page to see the list of separate packets
 heard. Unfortunately it does not show the TO callsign, but it does give more
 information than the LATEST and D pages show.

ALSO check the OCT demb terminal mode and hit the TNC UNPROTO comand to
 confirm that it is setup for GRIDSQUARE via W5RRR-1.

de wb4apr@amsat.org

From 104357.130@CompuServe.COM Sun Jun 30 14:38:01 1996
Received: from dub-img-4.compuserve.com (dub-img-4.compuserve.com
[149.174.206.134]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id OAA08098 for
<aprssig@tapr.org>; Sun, 30 Jun 1996 14:38:00 -0500 (CDT)
Received: by dub-img-4.compuserve.com (8.6.10/5.950515)
id PAA26865; Sun, 30 Jun 1996 15:37:29 -0400
Date: 30 Jun 96 15:34:34 EDT
From: "Chris T. Thompson" <104357.130@CompuServe.COM>
To: aprssig <aprssig@tapr.org>
Subject: Repeater locations
Message-ID: <960630193433_104357.130_IHS82-1@CompuServe.COM>

I've been reading the mail here about the disclosure of repeater locations for maps and such and have the following comment.

Our club repeater site is locked inside a steel cargo container and is surrounded by 10 foot high fencing with razor wire at the top and bottom. As a club rule we do not disclose more information on the location of it than the city its located in. For that matter, I don't believe more than 30 of the clubs 200+ members know where it is. And guess what. At least once a year somebody risks life and limb to either break in or vandalize it.

Please take my advise and keep this kind of information quiet. There aren't that many bad eggs in this hobby but it only takes one or two to ruin your day and your machine.

Chris N1NIQ

From kc5ejk@onramp.net Sun Jun 30 15:24:22 1996
Received: from mailhost.onramp.net (mailhost.onramp.net [199.1.11.3]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id PAA09731 for <aprssig@tapr.org>; Sun, 30 Jun 1996 15:24:20 -0500 (CDT)
Received: from [199.1.11.113] (dal13.onramp.net [199.1.11.113]) by mailhost.onramp.net (8.7.3/8.6.5) with SMTP id PAA03763; Sun, 30 Jun 1996 15:24:13 -0500 (CDT)
Message-Id: <v02130500adfc8faeaa1d@[199.1.11.116]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 30 Jun 1996 15:24:06 -0500
To: aprssig@tapr.org
From: kc5ejk@onramp.net (Robert Winingham)
Subject: Re: [APRSSIG:2570] RE: Doppler on SAREX
Cc: ke4eer@worldnet.att.net

Just replace the word "MIR" with the word "Space shuttle" and note the Shuttle packet uplink frequency is 144.490 and is not simplex

but is "SPLIT" mode.

[Info via Dave Mullenix, N9LTD]

* MORE MIR OPERATING HINTS *

=====

...comments on the effect that Doppler shift plays
in communicating with a simplex communications satellite such as the
Amateur Radio station on Mir.

Doppler shift is nothing new in satellite communications, but it takes on an interesting "twist" when a simplex communications link is employed. Doppler shift is the apparent frequency change observed as the result of the motion of either the transmitter or the receiver in a communications link. Both the satellite's motion and the Earth's rotation contribute to Doppler shift, with the satellite's motion playing the larger role. Doppler shift's magnitude is determined by the rate of motion, while its polarity is determined by the direction of motion. The polarity is also determined by whether the transmitter or the receiver is in motion.

When Mir is approaching your ground station, the spacecraft appears to be moving towards you at a high rate of speed. This motion causes the signal received from Mir to appear about 3.5 kHz ABOVE Mir's actual transmitting frequency of 145.550 MHz. At the same time, while Mir races toward your ground station, it receives signals from your uplink transmitter about 3.5 kHz ABOVE your actual transmitting frequency. No Doppler shift compensation is performed on the Mir spacecraft. All compensation must all be handled by individual ground stations.

In order to compensate for the effects of Doppler shift, ground stations wishing to communicate with Mir must tune their receivers several kilohertz ABOVE 145.550 MHz at the time of acquisition of signal (AOS), AND their transmitters several kilohertz BELOW 145.550 MHz. This involves transmitting and receiving on separate (split) frequencies approximately 7 kHz apart. Most ground stations use transceivers that transmit on the same frequency on which they receive (simplex), and if they tune their transceivers 3.5 kHz (or 5 kHz if their equipment tunes in 5 kHz steps) above 145.550 MHz at the start of a pass, their uplink signals are received 7 kHz (or 8.5 kHz) ABOVE what the Mir space station receiver is tuned to. The chances of establishing a radio contact under these conditions are extremely remote, even if there are no other ground stations competing for Mir's uplink receiver.

Around the time of closest approach (TCA), which also occurs around the time of maximum elevation for satellites such as Mir in circular orbits, the Doppler shift between Mir and the ground station approaches zero. It then quickly reverses polarity as Mir recedes at an ever increasing rate away from the ground station. At TCA, it is safe for ground stations to set their transceivers to 145.550 MHz and not worry about Doppler shift. As Mir recedes however, stations should tune their receivers several

kilohertz BELOW 145.550 MHz, and their uplink transmitters several kilohertz ABOVE 145.550 MHz to compensate for the increasing Doppler shift. Failure to properly compensate for the Doppler shift on the uplink would, again, result in the ground station's signal falling outside the passband of the narrowband FM receiver on Mir shortly after TCA. As Doppler shift increases, so must the split between the ground station's transmitting and receiving frequencies. As DOWNLINK signals drift DOWN in frequency during a pass, UPLINK signals must drift UP. T/R offset is zero at TCA, and maximum at AOS and LOS.

The effects of Doppler shift play a greater role in packet radio communications than they do in FM voice communications. 1200 baud packet radio communications (1 kHz shift AFSK on a narrowband FM carrier) occupy a much greater signal bandwidth than does FM voice, 1200 baud Manchester encoded FSK, or even 9600 baud FSK packet. If an uplink signal isn't properly centered within the passband of the FM receiver on Mir, it will be received with severe distortion if it is received at all. Tests have shown that a 1200 baud FM packet signal must be strong enough to produce at least 25 dB of receiver quieting for an acceptable bit error rate performance. Along the same lines, if other stations are competing with one another on the uplink frequency, it would take a signal strength at least 25 dB above the SUM TOTAL OF ALL OTHER SIGNALS on frequency to be received reliably on Mir because of the capture effect of FM. If just one bit of a packet frame is received in error, then the entire packet frame is damaged and must be re-sent by the transmitting station until it is received cleanly without error. Incidentally, a signal 25 dB (300 times) stronger than the sum total of all others is an ASTRONOMICAL signal level even if only a few other ground stations are colliding with one another on Mir's uplink frequency. That's why QRM is so damaging and following proper operating procedures is so important when communicating with Mir.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

From ad4bl@juno.com Sun Jun 30 16:00:23 1996

Received: from x4.boston.juno.com (x4.boston.juno.com [205.231.101.22]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id QAA10814 for <aprssig@tapr.org>; Sun, 30 Jun 1996 16:00:22 -0500 (CDT)

Received: (from ad4bl@juno.com) by x4.boston.juno.com (queuemail)
id RAA22786; Sun, 30 Jun 1996 17:00:14 EDT

To: aprssig@tapr.org

Date: Sun, 30 Jun 1996 15:30:53 PST

Subject: ad4bl: SAREX

Message-ID: <19960630.155915.3006.3.ad4bl@juno.com>

X-Mailer: Juno 1.00

X-Juno-Line-Breaks: 0-2,4,6-8,10,12,14-18

From: ad4bl@juno.com (Linda G Mullen)

I am using APRS 74.B in space mode and everytime my system transmits the beacon, I get a message that my packet was digipeated and the Mode is reset to Success. I have tried to turn ECHO off but it doesn't stay off. I am using a KPC-3 TNC. Is there another parm that needs to be changed?

APRS SAREX report...copied the signals, but were so weak that it didn't even show on the radio display. Time was 1045Z location: 3013.81N 08540.35W

AT 1609z I heard KC7NHZ calling another station from the Shuttle...transmission time was short but fairly clear.

Linda AD4BL

From jratchf@bulldog.afsc.k12.ar.us Sun Jun 30 16:41:26 1996
Received: from bulldog.afsc.k12.ar.us (root@[170.211.157.174]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id QAA12359 for <aprssig@tapr.org>; Sun, 30 Jun 1996 16:41:22 -0500 (CDT)
Received: from jratchf.bulldog.afsc.k12.ar.us (slip1.afsc.k12.ar.us [170.211.157.175]) by bulldog.afsc.k12.ar.us (8.6.11/8.6.9) with SMTP id QAA03499 for <aprssig@tapr.org>; Sun, 30 Jun 1996 16:41:15 -0500
Message-Id: <199606302141.QAA03499@bulldog.afsc.k12.ar.us>
From: "J. Scott Ratchford, KC5JGV" <jratchf@bulldog.afsc.k12.ar.us>
To: "aprssig taprorg" <aprssig@tapr.org>
Subject: APRS/GPS/DFjr T-Hunting
Date: Sun, 30 Jun 1996 16:36:47 -0500
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1085
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The equipment has finally been put together and ran thru its paces. It took a bit of wire routing and hair pulling, but I finally got all the equipment to talk to each other and working. I took my pile of electronics out on a "special" t-hunt this weekend.

Sometime saturday morning, I got a call from a fellow ham on the repeater stating that he thought he was hearing a call for help on the 52 freq. I usually monitor that frequency, but that morning I wasn't scanning. After a QSY I found him. Sure enuf, a fellow ham (call intentionally left out!) was stranded on the Buffulo River without a paddle. Seems he'd forgot to "train the XYL" in seamanship of a canoe. Three rapids and a dumped boat later, thier stuff was scattered. My thought was to get a description of his location from him, but that would take up a lot of time and battery, not to mention the ham was not from "down south". So, I thought, what a great way to use the DFjr, APRS thangy!

There are now fewer access roads to the river, thanks to the *\$\$%^(# Park Service, so I needed help from a few of my APRS buds. After getting the initial fix and plotting it we had a starting point. Unfortunately, there were two roads, 4 miles apart on the river, on different sides but it took about 35 miles to go around. In these hills your signal is bounced from one end to the other and can get ya turned around in a hurry. So, I took another heading at a new location and got a report from a QTH DF. We now had a "good" fix. We called the ham on the radio and told him to gather up his stuff, the wet XYL and climb in the canoe, as he was less than a few hundred yards to his take-out point and could float there in a few minutes!!!

I think he was being confused by the wet XYL, but ya never know.....the next time it could be a REAL emergency!

Without the DFjr, GPS and APRS, we would not have found him so easily. My hats off to Bob and Joe for the hard work and time that it took in developing this software and equipment. I just can't wait to try it out on a "real" t-hunt.....grin...

--

KC5JGV
Marshall, Arkansas

From BordingK@aol.com Sun Jun 30 17:08:27 1996
Received: from emout07.mail.aol.com (emout07.mx.aol.com [198.81.11.22]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id RAA13439 for <aprssig@tapr.org>; Sun, 30 Jun 1996 17:08:24 -0500 (CDT)
From: BordingK@aol.com
Received: by emout07.mail.aol.com (8.6.12/8.6.12) id SAA14225; Sun, 30 Jun 1996 18:07:20 -0400
Date: Sun, 30 Jun 1996 18:07:20 -0400
Message-ID: <960630180719_424867652@emout07.mail.aol.com>
To: aprssig@tapr.org, kd4ujk@jaxnet.com
Subject: Re: [APRSSIG:2556] FL APRS Page Updated

FYI

From christen@codger.physics.duq.edu Sun Jun 30 18:10:22 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA15874 for <aprssig@tapr.org>; Sun, 30 Jun 1996 18:10:20 -0500 (CDT)
Received: from wm15.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA28783; Sun, 30 Jun 1996 19:07:10 -0400
Message-Id: <31D70955.2661@codger.physics.duq.edu>
Date: Sun, 30 Jun 1996 19:10:13 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b5Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2555] Re: MacAPRS 2.6.0!!!
References: <m0uaDsp-00020gC@kb5yvf.usl.edu>

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Johnie Stafford wrote:

> The other day I asked if there is a Linux version of APRS and got no
> response, I'll take that as a 'no'.

Currently, that answer is correct. There is a Linux version coming.
Release date, as I understand it, is "Real Soon Now".

(Back when I ran a phone BBS, "Real Soon Now" meant that it was actively
being worked on, but was not ready for release.)

From christen@codger.physics.duq.edu Sun Jun 30 18:29:10 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA16504 for <aprssig@tapr.org>; Sun, 30
Jun 1996 18:29:07 -0500 (CDT)
Received: from wm15.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA32088; Sun, 30 Jun 1996 19:25:57 -0400
Message-Id: <31D70DBD.3452@codger.physics.duq.edu>
Date: Sun, 30 Jun 1996 19:29:01 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b5Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSID:2573] Repeater locations
References: <960630193433_104357.130_IHS82-1@CompuServe.COM>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chris T. Thompson wrote:

> For that matter, I don't believe more than 30 of the clubs
> 200+ members know where it is. And guess what. At least once a year somebody
> risks life and limb to either break in or vandalize it.

My point is that even though you take great pains to keep its location
secret, anyone that wants to can find it. Just plunk a DFjr or Roanoke
unit on the car and drive straight to it. (Or a DDDF or a beam. Even
body-shielding an HT.)

Making the degrees and minutes publicly available would give a one mile
ambiguity. Or, using tenths of degrees gives approximately a six mile
ambiguity. This would be sufficient resolution for mapmaking, but not
to physically find a repeater.

From christen@codger.physics.duq.edu Sun Jun 30 18:35:34 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id SAA17001 for <aprssig@tapr.org>; Sun, 30
Jun 1996 18:35:33 -0500 (CDT)

Received: from wm15.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA29622; Sun, 30 Jun 1996 19:32:23 -0400
Message-Id: <31D70F3F.2C48@codger.physics.duq.edu>
Date: Sun, 30 Jun 1996 19:35:27 -0400
From: Paul Christenson <christen@codger.physics.duq.edu>
Reply-To: christen@codger.physics.duq.edu
X-Mailer: Mozilla 3.0b5Gold (Win95; I)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: DFjr - Where to find
References: <960630180719_424867652@emout07.mail.aol.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Who is the contact for the DFjr? I ran into a pocketful of nickels and am thinking of getting one.

From cheisler@cyberia.com Sun Jun 30 18:53:09 1996
Received: from cyberia.com (cyberia.com [205.160.224.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id SAA17609 for <aprssig@tapr.org>; Sun, 30 Jun 1996
18:53:07 -0500 (CDT)
Message-Id: <199606302353.SAA17609@tapr.org>
Received: from sl39.cyberia.com by cyberia.com
with SMTP (IPAD 1.1) id 3845100 ; Sun, 30 Jun 96 19:56:45 EST
X-Sender: cheisler@cyberia.com
X-Mailer: Windows Eudora Light Version 1.5.2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 30 Jun 1996 19:53:01 -0400
To: aprssig@tapr.org
From: "Charles E. Heisler" <cheisler@cyberia.com>
Subject: NMEA decode wanted.

Hi Gang;

Can anyone point me towards a PC program that decodes the NMEA sentences and displays them in some order on the screen.

TNX Charlie K3VDB

From ke4eer@worldnet.att.net Sun Jun 30 19:11:05 1996
Received: from mailhost.worldnet.att.net (mailhost.worldnet.att.net [204.127.129.3]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id TAA18551 for <aprssig@tapr.org>; Sun, 30 Jun 1996 19:11:03 -0500 (CDT)
Received: by mailhost.worldnet.att.net (SMI-8.6/SMI-SVR4)
id AAA25612; Mon, 1 Jul 1996 00:10:31 GMT
Received: from 159.dallas-1.tx.dial-access.att.net(199.69.132.159)
by mailhost.worldnet.att.net with SMTP
id A25198; Mon Jul 1 00:07:48 1996
Message-ID: <31D732C5.2255@worldnet.att.net>
Date: Sun, 30 Jun 1996 19:07:01 -0700
From: William Nolle <ke4eer@worldnet.att.net>

X-Mailer: Mozilla 2.01 (Win16; U)
MIME-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2580] DFjr - Where to find
References: <31D70F3F.2C48@codger.physics.duq.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Christenson wrote:

>

> Who is the contact for the DFjr? I ran into a pocketful of nickels and
> am thinking of getting one.

Paul i think you will find their web site here. It will also have an order form, and info about the DFjr.

<http://home.navisoft.com//agrelo/ae.htm>

--

Bill WA8INZ Former (KE4EER)
ke4eer@worldnet.att.net
ke4eer@amsat.org

From bruninga@nadm.navy.mil Sun Jun 30 20:37:24 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id UAA22589 for <aprssig@tapr.org>; Sun, 30 Jun 1996 20:37:21 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id VAA00873; Sun, 30 Jun 1996 21:38:16 -0400
Date: Sun, 30 Jun 1996 21:38:15 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: APRS and SAREX!
Message-ID: <Pine.SUN.3.91.960630212530.770A-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I really dont think but a few of us are trying.

- 1) Stats are running VERY LOW, With all my SAREX and APRtrak efforts this is going to be very embarrassing.. We are NOT lighting up the map like I promised!
- 2) There are 80 stations on my local 145.79 map. I have been sending a BULLETIN about SAREX to the net all week. Only ONE station has indicated he is trying. And I hear NO ONE on the uplink locally.
- 3) IS SOMEONE IN YOUR AREA BEACONING BULLETINS ABOUT SAREX??? If not, how do you expect them to know about it? I would guess there are only 30 stations here on the sig trying. Compare that to 10,000 trying to connect.

*** IF you WERE trying, and WERE on 144.49 TRANSMIT and were on 145.55 RECEIVE and EVERYTHING WAS PROPERLY CONIFIGURED **AND** YOU WERE OPERATING DURING A SAREX PACKET PASS, then tell me how many passes. If you were doing somethig wrong, then dont count it. I only want to

count stations that were legitimately sending GOOD APRS packets during GOOD PACKET passes. Thanks, SNED TO ME PERSONALLY, I will tally it up.

de wb4apr@amsat.org

From N2ZRC@gnn.com Sun Jun 30 22:04:11 1996
Received: from mail-e2b-service.gnn.com (mail-e2b-service.gnn.com [204.148.102.170]) by tapr.org (8.7.5/8.7.3/1.9) with ESMTP id WAA25668 for <APRSSIG@tapr.org>; Sun, 30 Jun 1996 22:04:09 -0500 (CDT)
Received: from 13-161.client.gnn.com. (13-161.client.gnn.com [205.188.13.161]) by mail-e2b-service.gnn.com (8.7.1/8.6.9) with SMTP id XAA29602 for <APRSSIG@tapr.org>; Sun, 30 Jun 1996 23:03:29 -0400 (EDT)
Message-Id: <199607010303.XAA29602@mail-e2b-service.gnn.com>
X-Mailer: GNNmessenger 1.3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 30 Jun 1996 23:03:26
From: Arte Booten <N2ZRC@gnn.com>
To: APRSSIG@tapr.org
Subject: PicoPacket w/Built-in GPS

Hi all,

After about three days of puzzling over it, rewiring the connectors three or four times and innumerable (so it seemed) false starts, I finally got the bloody thing working! We're so used to needing to put those pesky resistors and capacitors in the connector that I overlooked something PaccComm thoughtfully provided in the PicoPacket: They INCLUDE THESE COMPONENTS INSIDE THE TNC! If you're gonna use the thing with an HT, there's no need to go piddling with them, making for a fragile connector which will eventually be prone to fixing or replacement.

Before you fire up APRS with this unit, remember to edit your "inittapr.tnc", "restore.tnc" and "cfig75b.apr" files so the proper parameters are set when you enter and leave the program. The ones I've set (in addition to the defaults) are:

INITTAPR.TNC

GPSI GPSItxt
GPSTE \$GPGGA
LOC Every 1200
LPATH APRS VIA WA2JNF-4,KA3ODJ-8,WIDE
MY N2ZRC-9
MYA ARTEMX
U APRS VIA WA2JNF-4,KA3ODJ-8,WIDE

RESTORE.TNC

Similar to above, except LOC 300 (for when I'm mobile.)

CFIG75B.APR

Change the callsign to some SSID other than your base (DON'T change the number of characters in either of these statements!)

Change the symbol to something other than that of your base (I use > which is a car.)

The only problems I've seen so far are due to the physical layout of my shack and apartment. The window of my shack faces west, and is the ONLY one on this side of the building that does! All the others face north. Thus, I could only make the antenna see one quadrant of the sky (which makes for very intermittent locks.) I now have the antenna at the end of a hockey stick which extends beyond the corner of the building and allows it to see from west to north to east. It looks WEIRD, but I got a lock and haven't lost it yet.

The other problem lies with my great fortune in living a half an air mile, and in line of sight with, the two tallest buildings in The Bronx. Officially named Tracy Towers, I call them "Pager Heaven!" There are numerous high-power pager repeaters there and are extremely annoying at times (does anybody happen to have a 105 howitzer I can borrow 8-).) I have the DCI 2 meter and 70cm filters on my main (mobile) rig but, because of the physical layout of the shack, can't use them on the HT with which I'm running APRS at the moment.

Those of you in the NY-NJ-CT-PA area, keep a lookout for N2ZRC-9! I'll be putting this sucker to work soon. 73 de

Arte Booten <N2ZRC@gnn.com>(preferred) or <N2ZRC@aol.com>(if necessary)
(Packet Radio: N2ZRC@KB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

Set coordinates 2-7-1, Chewbacca...

From sproul@ap.org Sun Jun 30 22:17:09 1996

Received: from janus.ap.org (eos.ap.org [165.1.6.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA25844 for <aprssig@tapr.org>; Sun, 30 Jun 1996 22:17:06 -0500 (CDT)

Received: from [165.1.27.20] by janus.ap.org (SMI-8.6/SMI-SVR4) id XAA29938; Sun, 30 Jun 1996 23:13:22 -0400

X-Sender: sproul@165.1.6.1

Message-Id: <v03007605adfcf2c235ac@[165.1.27.20]>

In-Reply-To: <31D70955.2661@codger.physics.duq.edu>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Sun, 30 Jun 1996 23:16:37 -0400

To: aprssig@tapr.org

From: Mark Sproul <sproul@ap.org>

Subject: Re: Linux version of APRS

>Johnnie Stafford wrote:

>

>> The other day I asked if there is a Linux version of APRS and got no
>> response, I'll take that as a 'no'.

>

>Currently, that answer is correct. There is a Linux version coming.

>Release date, as I understand it, is "Real Soon Now".

>

NO NO NO, it is NOT real soon,

we had a demo show maps at Dayton. This was ONLY the map display portion
and proof of concept. We WILL have a fully functional, fully compatible
version for X-Windows. The current SCHEDULE is

we MIGHT, I repeat MIGHT have beta around X-mas, we hope to release at
Dayton (does this have a familiar ring to it or what?)

DO NOT bug us about it, if you have specific questions ok, we are still
busy on WinAPRS.

Just for those curious, it will again be the same source code, after
porting to MS-Windows, the port to get maps drawing on X-Windows took 3
days. I expect the X version to be WONDERFULLY easy compared to
MS-Windows. We have most of the port already designed, just all of the
implementation yet to do.

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

From bruninga@nadm.navy.mil Sun Jun 30 22:30:16 1996

Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA26364 for <aprssig@tapr.org>; Sun, 30
Jun 1996 22:30:15 -0500 (CDT)

Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
XAA01478; Sun, 30 Jun 1996 23:31:12 -0400

Date: Sun, 30 Jun 1996 23:31:12 -0400 (EDT)

From: Bob Bruninga <bruninga@nadm.navy.mil>

To: aprssig@tapr.org

Subject: Re: [APRSSIG:2570] RE: Doppler on SAREX

In-Reply-To: <31D6DB0A.44E5@worldnet.att.net>

Message-ID: <Pine.SUN.3.91.960630233024.1447A-100000@arctic>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 30 Jun 1996, William Nolle wrote:

> You know it doesn't take to many of you to totally confuse an old man like
> myself. WHAT IS BACKWARDS does it take +5 to listen and -5 to transmit
> when it's coming at you now RIGHT.

APRSDos REPLY COMMENT: Yes, correct, hi hi Comming AT you...

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 30 22:54:24 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id WAA27434 for <aprssig@tapr.org>; Sun, 30
Jun 1996 22:54:22 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
XAA01654; Sun, 30 Jun 1996 23:55:20 -0400
Date: Sun, 30 Jun 1996 23:55:20 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2575] ad4b1: SAREX
In-Reply-To: <19960630.155915.3006.3.ad4b1@juno.com>
Message-ID: <Pine.SUN.3.91.960630235406.1447G-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 30 Jun 1996, Linda G Mullen wrote:

> I am using APRS 74.B in space mode and everytime my system transmits the
> beacon, I get a message that my packet was digipeated and the Mode is
> reset
> to Success. I have tried to turn ECHO off but it doesn't stay off. I am
> using a KPC-3
> TNC. Is there another parm that needs to be changed?
>

APRSDos REPLY COMMENT: I forget the exact command, but its something like
MXMT OFF to turn the monitoring of your own transmitted packets OFF.

de wb4apr@amsat.org

From bruninga@nadm.navy.mil Sun Jun 30 23:03:12 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA27975 for <aprssig@tapr.org>; Sun, 30
Jun 1996 23:03:10 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id
AAA01881; Mon, 1 Jul 1996 00:04:08 -0400
Date: Mon, 1 Jul 1996 00:04:07 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2581] NMEA decode wanted.
In-Reply-To: <199606302353.SAA17609@tapr.org>

Message-ID: <Pine.SUN.3.91.960701000308.1447J-100000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 30 Jun 1996, Charles E. Heisler wrote:

> Can anyone point me towards a PC program that decodes the NMEA
> sentences and displays them in some order on the screen.

APRSdos REPLY COMMENT: I assume you have used the APRS GPS satellite
display under the alt-SETUP-GPS-PLOTS display?

de wb4apr@amsat.org

From christen@codger.physics.duq.edu Sun Jun 30 23:06:00 1996
Received: from infobahn.icubed.com (infobahn.icubed.com [199.234.114.2]) by
tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA28194 for <aprssig@tapr.org>; Sun, 30
Jun 1996 23:05:57 -0500 (CDT)
Received: from wm19.icubed.com by infobahn.icubed.com;
(5.65/1.1.8.2/25Jun95-1044PM)
id AA10407; Mon, 1 Jul 1996 00:02:42 -0400
Sender: paul@infobahn.icubed.com
Message-Id: <31D74E35.103E5C07@codger.physics.duq.edu>
Date: Mon, 01 Jul 1996 00:05:37 -0400
From: "P. Christenson" <christen@codger.physics.duq.edu>
X-Mailer: Mozilla 3.0b4Gold (X11; I; Linux 1.2.13 i486)
Mime-Version: 1.0
To: aprssig@tapr.org
Subject: Re: [APRSSIG:2585] Re: Linux version of APRS
References: <v03007605adfcf2c235ac@[165.1.27.20]>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mark Sproul wrote:

>
> >Johnnie Stafford wrote:
> >
> >> The other day I asked if there is a Linux version of APRS and got no
> >> response, I'll take that as a 'no'.
> >
> >>Currently, that answer is correct. There is a Linux version coming.
> >>Release date, as I understand it, is "Real Soon Now".
> >
>
> NO NO NO, it is NOT real soon,
>
> we had a demo show maps at Dayton. This was ONLY the map display portion
> and proof of concept. We WILL have a fully functional, fully compatible
> version for X-Windows. The current SCHEDULE is
>
> we MIGHT, I repeat MIGHT have beta around X-mas, we hope to release at
> Dayton (does this have a familiar ring to it or what?)

Sounds exactly like the description of "Real Soon Now" that I'm used to... <G>

"RSN" has also been known to mean "It'll be out by Christmas. Couldn't tell you which year, though."

Didn't intend to mislead anyone; I thought I described what "Real Soon Now" really meant... just a stock answer to the eternal question. On the order of "When it's ready".

From bruninga@nadm.navy.mil Sun Jun 30 23:28:31 1996
Received: from arctic.nadm.navy.mil (arctic.nadm.navy.mil [131.121.8.1]) by tapr.org (8.7.5/8.7.3/1.9) with SMTP id XAA29295 for <aprssig@tapr.org>; Sun, 30 Jun 1996 23:28:29 -0500 (CDT)
Received: (from bruninga@localhost) by arctic.nadm.navy.mil (8.6.12/8.6.12) id AAA02212; Mon, 1 Jul 1996 00:29:26 -0400
Date: Mon, 1 Jul 1996 00:29:26 -0400 (EDT)
From: Bob Bruninga <bruninga@nadm.navy.mil>
To: aprssig@tapr.org
cc: amsat-bb@amsat.org
Subject: APRS Sarex report (8)
Message-ID: <Pine.SUN.3.91.960701001209.1447L-1000000@arctic>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Last report, I observed that the SAREX activity actually has been pretty high (about 60%). But I just realized that this does NOT include the scheduled School contacts which we would not hear on 145.55. So I will try to include that in the next report..

- * SAREX active every day for 11 days except for the 22nd
- * There have been 12 voice passes and 14 packet robot passes so far
- * There have been 18 passes with no activity (not counting the 5 on 22nd) (many of these could be SCHOOL passes)
- * So on a pass/pass basis, SAREX has been active on almost 60% of the passes (except for 22 June). 33% have been packet!

DAY	EDT	ZULU	COMMENTS
21	1745	2145z	Voice K04HD Fl Keys
21		2238z	Voice WB6LLO San Diego, and W5GEL Texas
22	0915	1315z	through 1400 on 23 June nothing heard on 9 passes
23	1535	1935z	voice heard in S. Fla
23		2110z	Voice heard in Calif
24	0740	1140z	nothing heard on next 4 passes
24	1355	1755z	voice reported in Texas
24	1530	1930z	nothing heard on next 3 passes
25	1045	1445z	I missed the pass
25	1230	1620z	Voice over usa. They said Packet soon!
25	1400	1750z	Voice over USA
26	0730	1130z	Packet reported fm Alabama
26	0904	1304z	Packet reported in Houston & East. QSO#'s 104 to 130
		1313z	K1HJC>FN43HB,W5RRR-1*>APRS 0.5 on line *** First POSIT
		1010	1610z packets. QSO#'s 141
26	1356	1756z	packets over USA QSO#'s 214

26 1500 1900z ? (I missed it. Anyone else have a report?)
 27 0725 1125z nothing heard this pass and the 0900 EDT pass
 27 1035 1435z voice heard on this and 1610z, and 1745z passes
 27 1510 1910z ? (i missed it. Anyone else have a report?)
 28 0725 1125z 22 packets copied in Maryland
 28 0900 1300z 27 pkts reported in TX and AL by KB0UZQ and KE4EER
 28 1036 1436z voice heard
 28 1915z packets heard in Calif. WB6LL0 "success"
 29 0730 1130z voice heard
 29 0900 1300z nothing heard
 29 1027 1427z packets. KE6AFE Posit reported? (someone send me a copy)
 1433z WB4LTF>EL98IP,W5RRR-1*:Orlando FL
 1436z N8DEU>EM64QS,W5RRR-1*:[GS]Tim at Huntsville, AL (TNC only)
 29 1346 1746z Voice reported in FL
 29 1911z WB6LL0 APRS success reported in Calif? (Anyone see it?)
 1920z Voice reported in Honduras
 30 0545 0945z QS0#'s 672. KE4EER gets "CONGRATS" (Anyone see it?)
 30 0720 1120z QS0#'s 729. (27 pkts copied in MD) (4 were APRS)
 30 0850 1250z 9 weak pkts heard in MD. Weak pkts hrd in SoCAL
 30 1023 1423z nothing heard in SoCAL
 30 1157 1557z voice on west coast and in AL
 30 1732z nothing heard in Calif
 30 1906z WB6LL0 gets "CONGRATS"

Still need someone who saw WB6LL0, KE4EER and KB0UZQ APRS packets.
 I still have two passes un accounted for.. If you have raw data to fill
 in or correct entries above, please send them to me. I would also like
 to get the QS0#'s for every packet pass.

APRS NOTE: Look on the ALL-BEACONS page to see the list of separate packets
 heard. Unfortunately it does not show the TO callsign, but it does give more
 information than the LATEST and D pages show.

ALSO check the OCT demb terminal mode and hit the TNC UNPROTO comand to
 confirm that your TNC is setup for GRIDSQUARE via W5RRR-1.

de wb4apr@amsat.org